

FEBRUARY 1960

MATERIAL HANDLING ILLUSTRATED

Storing In The Yard

contents—page 2

Form 3547 Requested

The Mass Circulation Magazine
for the Material Handling Market

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Material Handling Illustrated
800 Canton Building
Cleveland 15, Ohio

It's a fact... heavy-duty engines in Allis-Chalmers lift trucks



SAVE you more
MAKE you more

The heavy-duty industrial engines in Allis-Chalmers lift trucks stand alone in their ability to take tough work for long periods. The fact that they are the most rugged used in lift trucks means thousands of extra work hours, minimum maintenance, more years of service.

The fact that they deliver more usable horsepower means they do extra work every hour — maneuver faster, climb steeper grades. An Allis-Chalmers 2,000-lb truck, for instance, climbs a 40-percent grade loaded—other makes in the same class climb grades of only 18 to 28 percent.

Does the engine make a difference?

Just ask fellows like these.

They are users. They ought to know.

No major engine overhaul under 10,500 operating hours for the 19 Allis-Chalmers trucks at a New York establishment. "We actually overhauled the first engine as an experiment — we wanted to know what made it tick for 10,500 working hours."

"They use less fuel than other trucks do," says a chief mechanic in Wisconsin. "Allis-Chalmers lift trucks also are tougher than others and require less maintenance."

Put an Allis-Chalmers lift truck to work and you will see many advantages of its heavy-duty engine *immediately*. But it will take years to reveal *all* the benefits. Let your dealer give you more facts — and a demonstration. Allis-Chalmers, Milwaukee 1, Wisconsin.

"They're brutes for punishment," comments a spokesman for a Michigan firm. "We formerly replaced an engine a year — haven't replaced any in the Allis-Chalmers trucks in over three years of operation."

"That Allis-Chalmers engine is a real performer," says the mechanic at a Missouri plant. "It is easily overhauled and has a world of power."



ALLIS-CHALMERS

BH-118

Circle 17 on Reader Service Card

MATERIAL HANDLING ILLUSTRATED

All-Service Xtra Cushion Solid Tire from Goodyear—a rugged performer from any angle!



New Slant on Pressed-on "Solids"

Have you ever seen an All-Service "Solid" from this angle before? Chances are, you haven't. But we photographed it this unique way to dramatize some very practical points.

For example, notice the tread design of this Goodyear Industrial Tire. Notice how the lugs are sharply angled for superior traction on ramps or wet, slippery surfaces.

Check the thickness of that tread too. It's extra thick for extra resilience and cushioning. The result: lower floor and truck maintenance costs. Less load damage, too.

*Add to all this—tougher compounds for minimum chipping and cutting, lasting adhesion of rubber to base band, *plus* maximum smoothness and stability.*

These advantages can mean only one thing to you: Superior service at lower cost. For all the facts on the All-Service—and the complete line of Goodyear Solid and Pneumatic Industrial Tires—call in your Goodyear Dealer. Or write: Goodyear, Industrial Tire Sales, Akron 16, Ohio.



INDUSTRIAL TIRES BY

GOODYEAR

MORE TONS ARE HAULED ON GOODYEAR TRUCK TIRES THAN ON ANY OTHER KIND

All-Service—T. M. The Goodyear Tire & Rubber Company, Akron, Ohio

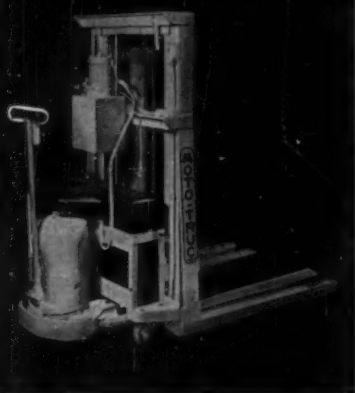
Circle 37 on Reader Service Card

FEBRUARY 1960

1

MOTO-TRUC

Leads the field in
"Walkie"
Outrigger
Trucks



**An easy handling stacker
...priced below competition**

● This rugged walkie MOTO-TRUC is designed to stack from aisles less than 6 feet wide. Its four wheel suspension assures stacking stability while the articulated drive wheel provides maximum traction.

Available in both telescoping and non-telescoping models with standard lift to 152". Capacities up to 4,000 pounds.

Write For Moto-Truc
Catalog — full
specifications and
dimensions.



THE
MOTO-TRUC
COMPANY

1926 East 59th St. • Cleveland, O.

Circle 53 on Reader Service Card

MATERIAL HANDLING ILLUSTRATED

VOL. 9 No. 1

FEBRUARY, 1960

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MATERIAL HANDLING ILLUSTRATED



HOW MANY WAREHOUSES CAN YOU FIND IN YOUR PLANT?

Sometimes you can't see the warehouses for the machines. Most plants have no trouble identifying at least two areas where warehousing goes on. The first that come to mind are the receiving and shipping areas.

But how many unrecognized warehouses are you operating? It could be quite a few. When the flow of material through any plant is analyzed, build-ups of work are frequently found before and after each operation. These build-ups of material, in themselves, create warehousing problems. And, big or small, these "hidden" warehouses may be costing you more than you realize.

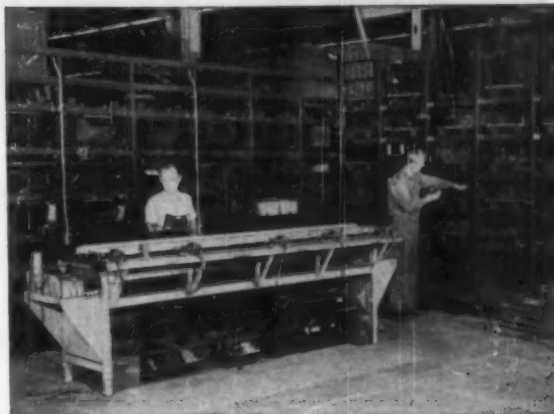
In almost every plant, these little warehouses are likely to be out of phase with where they should be, and how big they should be for maximum flow efficiency. Sometimes the most practical arrangement is a simple storage rack. Other times overhead storage on Rapistan-Keystone trolley conveyor is the answer. Sometimes greatest efficiency can be gained with a more complex live storage Flow Rack equipped with mechanical indexing and selection devices.

In any case, by streamlining and simplifying the operation of your hidden warehouses, you can gain better utilization of space and control of inventory first-in-first-out use of materials, cut down on spoilage and damage costs, and improve your entire handling pattern.

Rapistan engineers specialize in recognizing these less obvious areas, and developing modern storage conveyors for just such problems. They've developed some new concepts of "stop-and-go" storage that have brightened the profit picture for thousands of manufacturers, as well as for wholesalers and retailers. If the "hidden warehouse" in your plant is not as efficient as the rest of your operations, or if you just suspect that it isn't, circle No. 10 on the Reader Service Card.



RAPISTAN FLOW RACK IS THE HEART of this mechanized selection system used in the shipping department of one of the world's largest record manufacturing plants. A remote-controlled belt conveyor takes cartons from any hatch in the rack, conveys them to a checking station en route to the shipping dock.

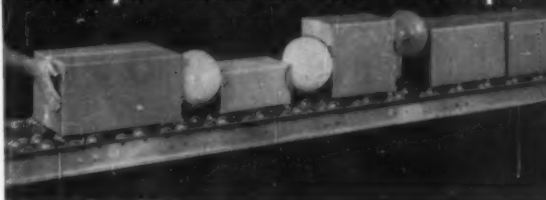


WAREHOUSING OF PARTS AND COMPONENTS goes on right at the point of manufacture in this plant. Flow Rack, positioned at the perimeter of the work area, holds the optimum quantity of all parts used here. It's loaded from the rear, without interfering with production.

WRITE FOR THIS HANDBOOK of materials handling ideas, describing all the latest Rapistan conveying equipment, plus lots of application information, suggestions and tips for conveyor system engineering. Circle No. 11 on the Reader Service Card.



New, APC® "Pressure"-Sensing Conveyor Ends Carton Pile-ups



Here is the new, safe way to accumulate cartoned goods under power in processing, warehousing and shipping operations. Rapistan's new APC conveyor reduces carton line pressure almost to the vanishing point, eliminates breakage and damage to cartons and contents due to line pressure. In this photo, the conveyor belt is running, but pressure between cartons is so low the balloons are perfectly safe.



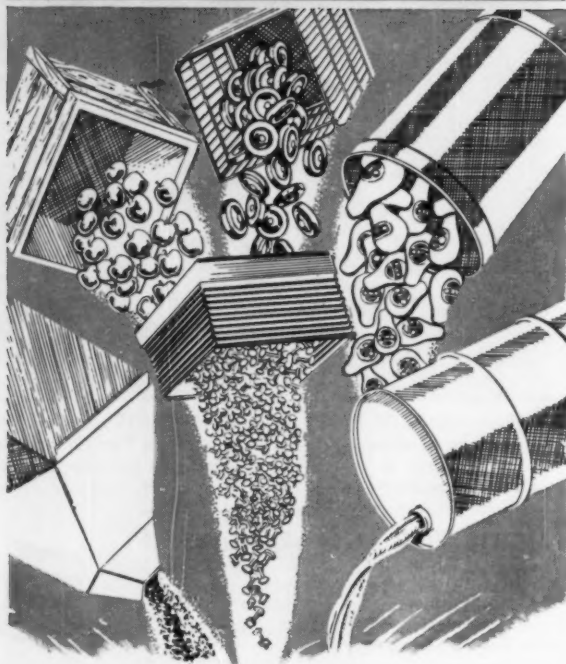
Circle No. 12 on the Reader Service Card for Bulletin 1200 illustrating new uses of APC pressure-sensing conveyor.

Rapistan®

CONVEYING EQUIPMENT

The RAPIDS-STANDARD CO., Inc.
720 Rapistan Building, Grand Rapids 2, Michigan

WHAT'S YOUR DUMPING PROBLEM?



There's a Tubar Dumper For Every Need

CHEMICALS • FOOD PRODUCTS
GRANULAR MATERIAL • EMULSIONS
LIQUIDS • STAMPINGS • CASTINGS
FARM PRODUCTS

No matter what your product, we will design a Tubar Dumper to do your specific job. Tubar Dumpers are job designed for any type container, in capacities from 100 to 6,000 pounds. Loads can be stopped and held at any point in the dumping cycle, permitting assured load control. Motors utilize conventional power source, with splash-proof and explosion-proof features optional. Battery and manually operated models also available. Many models can be designed as portable units.

Thousands of major companies are already cutting their materials handling costs with Tubar Dumpers. One of our design engineers will be glad to show you how Tubar can cut your costs. Write for details.



U-159-19

Circle 73 on Reader Service Card

HANDLING HIGHLIGHTS

Racks Are Low Cost

Low cost racks will help solve your storage problems. These racks come in a vertical panel and three shelf lengths. Find out how versatile these racks are by writing to the Palmer-Shile Co.

Circle 59 on Reader Service Card

Four Strapping Products

Four new products assist with strapping. Write the A. J. Gerrard Co. for information on a combination strapping unit, a stretcher and sealer, an oval strapping machine, and a strap and wire cutter.

Circle 21 on Reader Service Card

Pallet Truck Is Light

A light, hydraulic pallet truck does many things well. It's easy to maneuver, lifts and lowers by pedal. Send for a bulletin from The Raymond Corp.

Circle 61 on Reader Service Card

More Use Of Trucks

For maximum use of your lift trucks, try a Servis Recorder. It gives a permanent record every day. For more information, write The Service Recorder Co.

Circle 66 on Reader Service Card

For Better Scrap Disposal

Convert an inefficient salvage operation into fast, economical scrap disposal. Find out how from Roura Iron Works Inc.

Circle 64 on Reader Service Card

Change In Charger

Major design changes in the Hobart motor-generator include a charge control, input and output cables for quick installation, completely enclosed dead front construction for safety, and design for factory-set charging rates. Write Motor Generator Corp.

Circle 54 on Reader Service Card

Skids, Floor Trucks

One jack can be used for many short haul skids. For a catalog write the Ironbound Box & Lumber Co.

Circle 40 on Reader Service Card

Better Conveying

Better quality work at lower cost with an overhead conveyor. It carries lighting fixtures through degreasing, coating, painting and drying. Find out more from Chainveyor Corp.

Circle 80 on Reader Service Card

Lift Is Versatile

Here's a portable lift that does these things with ease: stacks to 130 inches, handles in process speedily, handles dies safely, efficiently positions work, simplifies shipping and receiving. Write for information from Hartman Metal Fabricators.

Circle 38 on Reader Service Card

Uses Heavy-Duty Engine

Heavy-duty industrial engines permit these lift trucks to take tough work over long periods. Allis-Chalmers says the engine makes the difference. Write for more information.

Circle 17 on Reader Service Card

For Easier Steering

You can get three different gear ratios in lift trucks without changing gear centers of the twin drive wheels. Lift Trucks Inc. says there's less than half the steering effort with the twin wheels. Send for more details.

Circle 42 on Reader Service Card

(Continued on page 18)

MATERIAL HANDLING ILLUSTRATED

COMPLETES YOUR AUTOMATION SYSTEM

Complete
unit
is
less
than
18"
deep



HERE'S HOW IT WORKS

"DOCKBRIDGE" LOADING RAMP

Automatically bridges the gap . . .
between truck and dock with an easy grade

Engineered into one compact unit to meet the specific requirements of modern material handling systems . . . a truly automatic "DOCKBRIDGE" Loading Ramp.

Advanced engineering has finally achieved a truck-activated, hinged loading ramp that automatically adjusts to truck bed height without the use of costly hydraulics or jury rigged counterweights and counter-balances, or the need of a dock attendant at any time.

The American "DOCKBRIDGE" is modern in design. Only the "DOCKBRIDGE" is a complete package contained within its own frame. The framed unit can be fitted into a prepared pit in the dock — less than 18 inches deep. Or four sturdy legs can be attached to this frame, making it adaptable as a Free-Standing unit where a pit is not practical. "DOCKBRIDGE" installations are both low cost and easy for either existing facilities or new construction.*

The hinged loading ramp is built like a bridge and floats on a stout spring scissor mechanism, known as the "center-poise shock absorber". The cross-traffic legs offer a solid base between the ramp and frame when the unit is not in use. Its simple construction eliminates maintenance other than periodic oiling.

*"DOCKBRIDGE" Loading Ramps are available in 3 sizes: 6' x 6', 6' x 8', and 6' x 10'. Support legs for Free-Standing models are cut to size and are available at a slight additional cost.

EQUIPS
DOCKS
TO RECEIVE
TRUCKS . . .

LOW down 10 inches

HIGH up 16 inches



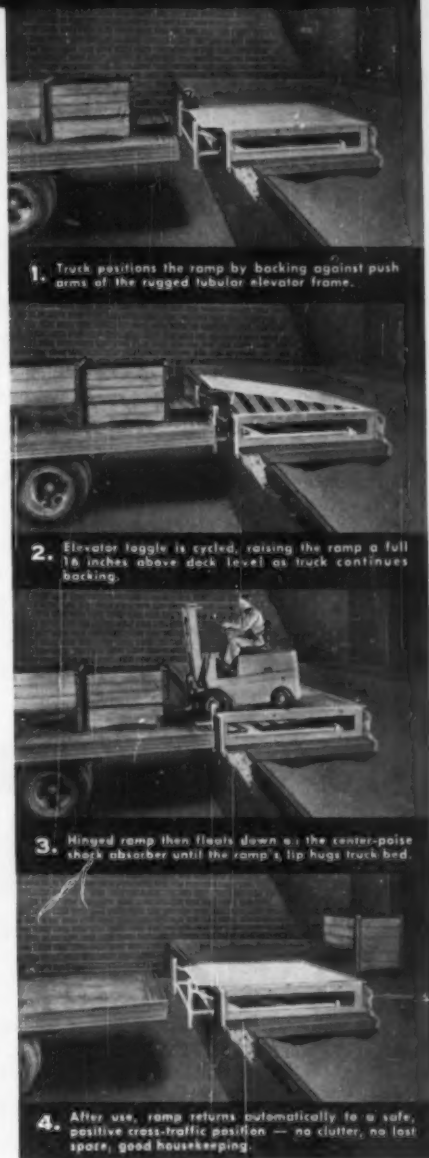
GET ALL THE FACTS
write for free catalog
and specifications.



AMERICAN DOCKBRIDGE, INC.

237 W. OKLAHOMA AVE. • HUMBOLDT 3-3600 • MILWAUKEE 7, WIS.

Circle 82 on Reader Service Card



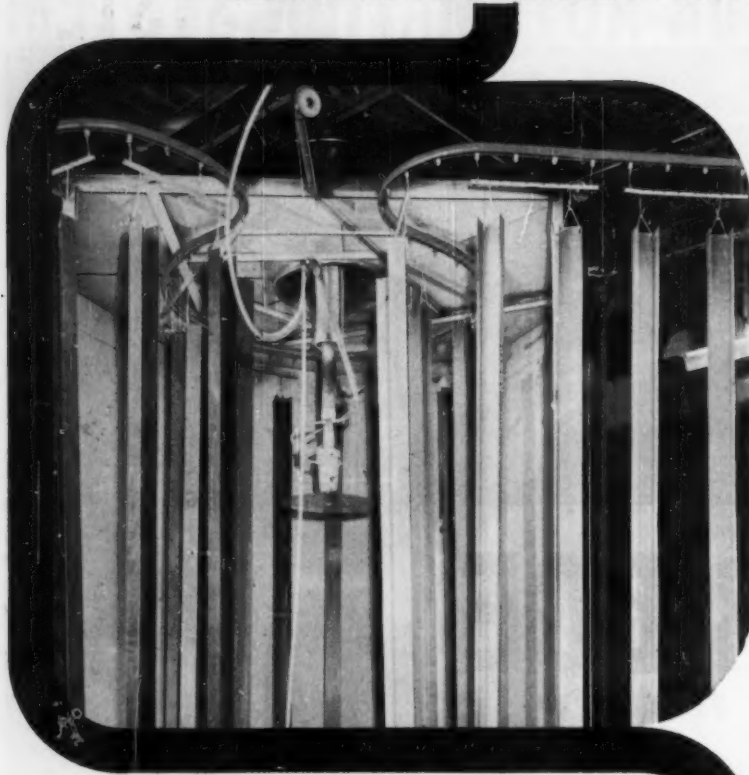
1. Truck positions the ramp by backing against push arms of the rugged tubular elevator frame.

2. Elevator leg is cycled, raising the ramp a full 16 inches above dock level as truck continues backing.

3. Hinged ramp then floats down as the center-poise shock absorber until the ramp's lip hugs truck bed.

4. After use, ramp returns automatically to a safe, positive cross-traffic position — no clutter, no lost space, good housekeeping.

CHAINVEYOR CUTS FINISHING COSTS!



This plant installation demonstrates how modern materials handling is effectively applied to new product finishing methods. A Chainveyor overhead system carries lighting fixtures through automatic de-greasing and phosphate coating booths and then in to a booth where paint is applied electrostatically. Continuing along the conveyor line the fixtures are then transported to and through the bake oven completing the entire processing cycle without any manual handling. The result is better quality work — done faster and at lower cost!

Any business — and almost any plant operation — can benefit from the amazing versatility of Chainveyor when applied to overhead storage, fabricating, assembly, finishing, inspection and handling of loads up to 120 pounds.

For further information about Chainveyor systems, engineered for economical materials handling, write:

QUALITY
OVERHEAD
CONVEYOR
SYSTEMS

CHAINVEYOR[®]

CORPORATION

Engineers & Manufacturers

DISTRIBUTORS IN ALL PRINCIPAL CITIES

DISTRICT SALES OFFICES • CHICAGO, DETROIT,
JACKSONVILLE, NEWARK, NEW ORLEANS

**MAIN OFFICES • 5618 East Washington Blvd.
Los Angeles, California**

Circle 80 on Reader Service Card

THE EDITOR VIEWS THE NEWS

We'll be seeing more of you from now on. This issue of MATERIAL HANDLING ILLUSTRATED marks a change in our publishing schedule. Instead of four times a year, MHI will now be published six times. Watch for it around the 15th of February, April, June, August, October and December.

* * *

Look for prices of material handling equipment to go up in 1960. Manufacturers tell us that:

Powered indoor vehicles, conveyors, outdoor equipment, racks and pallets will go up about 7% according to a majority of manufacturers . . . Non-powered equipment (hand trucks, casters, dollies, etc.) will probably cost you about 6% more. Most makers of overhead equipment, packaging machines and shipping containers foresee price rises of about 5%.

Overall, the cost of material handling, packaging and shipping equipment and supplies is expected to go up an average 6.5%.

It is all dependent, of course, on what happens to (a) the price of steel and components and (b) the results of labor negotiations when union contracts expire.

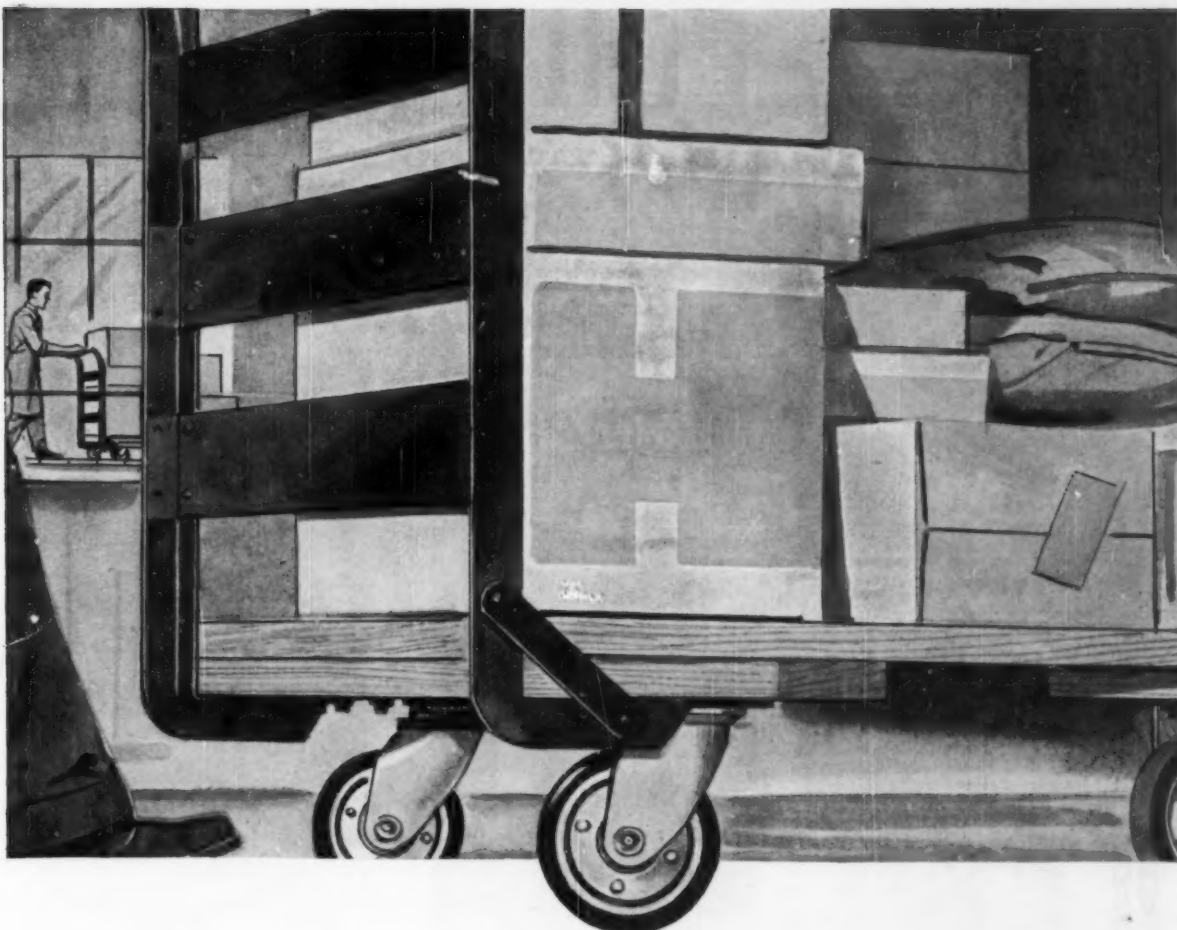
* * *

Here are some technological developments you can expect in material handling during 1960. A completely remote-controlled fork lift truck for automatic warehousing . . . Plastic bodies for personnel carriers . . . Big strides in electronic controls for conveyors and overhead cranes . . . Some amazing developments in fuel cell power for fork trucks . . . More standardization of conveyor components to help do-it-yourselfers.

* * *

In how many places around your plant could you make efficient use of powered platform trucks? Many more than you suspect, we'll bet. MHI's editors are making a study of this most versatile type of equipment. We'll report to you in our next issue and show some of the many ways platform trucks can help improve your handling.

MATERIAL HANDLING ILLUSTRATED



from the ground UP builds it better...

Colson starts with the first essential . . . mobility, and begins building quality there with Colson Casters. Seventy-five years of experience go into putting together the *total* unit. Literally from the ground up Colson builds it better, supplying the complete product. From casters to completion, each part of this Colson Platform Truck is made with the careful precision that has made Colson famous for long-lasting quality. Quality costs less. Buy once, buy the best . . . Colson.



75 years of experience in supplying field-tested equipment and casters to industry and institutions. Millions of satisfied customers know and respect the name COLSON . . . synonym for quality.

CHOOSE THE PERFECT PLATFORM TRUCK FROM HUNDREDS OF MODELS

Economical Colson Platform Trucks are used universally in every type of business. A Colson material-handling consultant will help you select the platform truck for your specific need. Choose from several different wheel arrangements; many body styles; steel or wooden decks; from hundreds of arrangements. Equipped with precision-engineered Colson Pressweld sealed bearing casters, running gear right for your floor condition and load. Send for a free full-line catalog of Casters, platform trucks, and components.

THE COLSON CORPORATION

Plants in: Jonesboro, Ark.; Somerville, Mass. and Elyria, Ohio

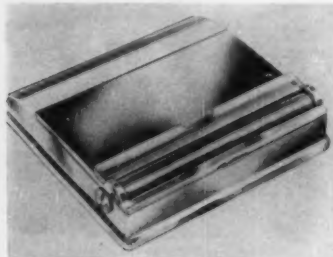
7 S. Dearborn Street
CHICAGO, ILLINOIS

Circle 18 on Reader Service Card

WHAT'S NEW IN EQUIPMENT

Gluer Is Quick, Efficient

A bronze label gluer comes in 6, 9, and 12-inch sizes. Constructed simply, it



Circle 130 on Reader Service Card

applies glue to large ungummed labels. Purpose is to speed up and add efficiency to labeling and shipping room procedures. Glue-Fast Equipment Co.

Lengthens Chain Life

An open chain lubricant combines features of a penetrant, lubricant, and rust-preventive to lengthen chain life up to



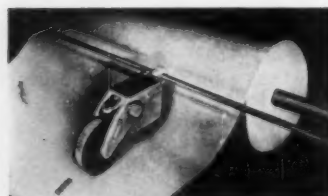
Circle 131 on Reader Service Card

300 percent. The lubricant works into close-tolerance, internal friction surfaces, between bushings and pins, bushings and rollers. It has a built-in corrosion inhibitor. The lubricant is good in all climates, even salt atmospheres. You can get a free trial aerosol can.

The Whitmore Manufacturing Co.

Marks On Anything

You can mark any surface continuously or intermittently with a Continuous



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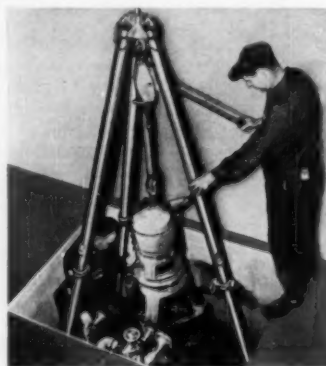
Coder. It works on cloth, metal, kraft, corrugated paper, glass, plastics, cello-

phane, waxed surfaces, and so on. It doesn't matter if the product is flat, boxed, or in rolls. The coder has a positive friction drive, long-run ink fountain, and adjustable spring tension. The printing area is $\frac{3}{4}$ X 12 inches and up. You can get interchangeable rubber type and strips. The firm has developed special inks.

Algene Marking Equipment Co.

Tripod Takes 4 Tons

A lightweight tripod with adjustable height and spread can handle up to 4 tons. The legs on the Magic-Pole Tripod adjust separately. Each leg has a remov-



Circle 133 on Reader Service Card

able base pad. Mud plates and spike bases are optional. The free swiveling eyebolt always hangs plumb, avoids twist and strain to the machined alloy head. The tripod is suitable for outdoor use. It can be carried and set up by one man. No special tools are needed. There are six models. The smallest has a height adjustment of 4 ft to 6 ft 9 inches; the largest, from 10 ft to 17 ft 3 inches.

B. E. Wallace Products Corp.

High Capacity Meters

A line of portable force-measuring instruments now includes two new high



Circle 134 on Reader Service Card

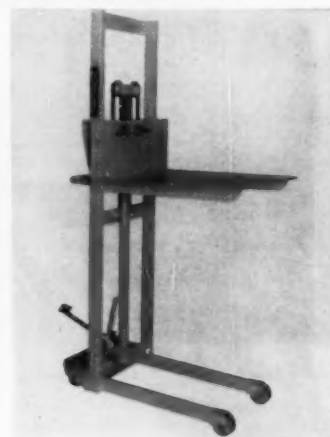
capacities, 150,000 and 200,000 lb. This means you now can get 15 capacities, of direct-reading, traction-type Dynamom-

eters. The lowest capacity is 0-500 lb and highest capacity, 0-200,000 lb. The two new units weigh 23 lb, independent of shackles, pins, and shut bar. Dials are 10 inches in diameter. The case is heavy metal with a plastic crystal.

W. C. Dillon & Co.

Foot Power Lift

A mobile hydraulic lifter uses foot power for loads up to 750 lb. The Model FPD Little Dickie raises to 64 inches above the floor. Fluid pressure holds the



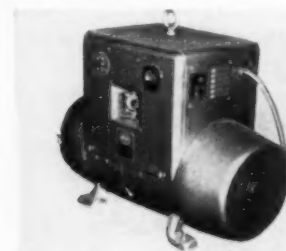
Circle 135 on Reader Service Card

load, without need for a lifting handle or open gears. Lifting speed is 1 inch a stroke under full load. Masts and base are steel tubing with mast and frame arc-welded into a unit. The hydraulic system has a chrome plated piston for all-weather protection. Optional equipment: a floor lock, floor protective wheels, and pipe runners for help when loading on trucks.

Langley Manufacturing Co.

Charger In 3 Sizes

New single-circuit battery chargers come in $7\frac{1}{2}$, 10, and 15 kilowatt integral units. Each is completely automatic and will



Circle 136 on Reader Service Card

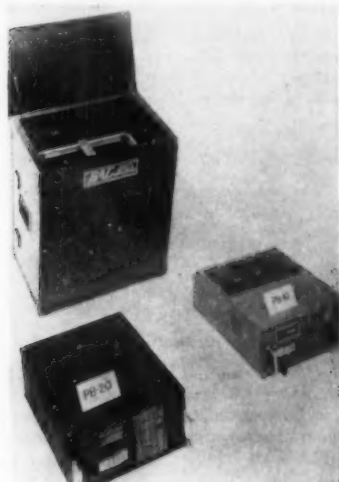
charge lead-acid or nickel-iron-alkaline industrial truck batteries. A dead-front,

monitor-top control cabinet holds motor, generator, and charge controls. You can order your unit with a temperature-voltage relay, ampere hour meter, or timer. The dual-voltage motor starter coil has a simple arrangement for easy change-over from 220 to 440 volts.

Motor Generator Corp.

Protects Shipments

A reusable shipping container has unique design for complete protection to the most delicate electronic equipment.



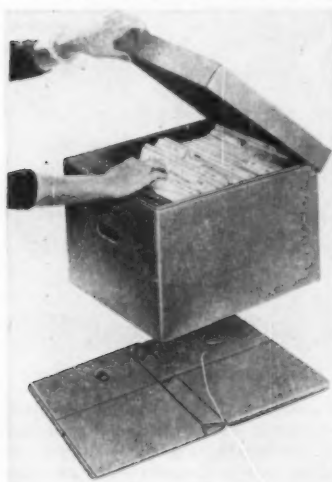
Circle 137 on Reader Service Card

Severe tests show the container meets requirements of the Air Transportation Association Category 1 Standards. The containers come in any size to conform to the size of the items.

William Bal Corp.

2 New File Box Sizes

The Miracle File Box now comes in two new sizes. One is ledger size: 17" X 13" X 14 1/4" deep. The other is chart



Circle 138 on Reader Service Card
size: 12" X 15" X 12 1/4" deep. The chart size is for disc charts up to 12 inches in diameter, particularly useful for oil and gas transmission firms. These file boxes

Available NOW



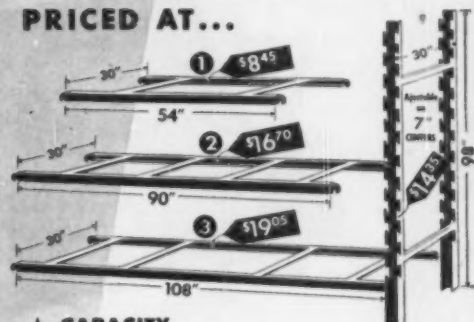
STANDARD SIZE

PALMER-SHILE
Adjustable
STORAGE RACKS

SERIES
60
Pat. App. For



• 3 SHELF SIZES
• 1 PANEL SIZE
PRICED AT...



★ **CAPACITY**
5000 lbs. per shelf ★

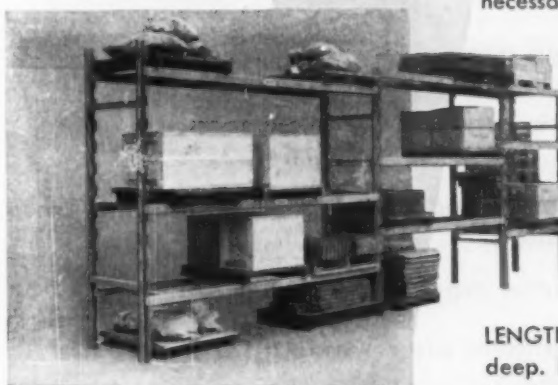
★ **IMMEDIATE DELIVERY FROM STOCK** ★

**JUST TWO STEPS—SET UP PANELS
SNAP SHELVES IN POSITION**

LOW COST P-S Standard Series 60
Racks are ideal where fast action is necessary to solve your storage problem.

Built of sturdy steel channel they are capable of handling almost any kind of materials and merchandise on pallets, skids, boxes or barrels. Come in four pieces—A. Vertical PANEL 8 1/2' high, 30" deep and 2 1/2" wide with shelves adjustable to 7" centers.

B. THREE DIFFERENT SHELF LENGTHS 4 1/2', 7 1/2' and 9' each 30" deep. No small parts, set entirely by hand, top shelf can be flush. Standard racks can be joined in multiple sections of the same shelving lengths, or any combination.



Standard racks can be joined in multiple sections of the same shelving length, or any combination. Shown here are sections with the three different shelving sizes, adjusted to various storage openings.

★ **Can Be Built To Customer Specifications**

DESIGNED AND MANUFACTURED BY

Palmer-Shile Co.

16047 FULLERTON AVE., DETROIT 27, MICH.

Offices in Principal Cities
EXPORT OFFICE: 75 WEST STREET, NEW YORK 6, N. Y.

Circle 59 on Reader Service Card

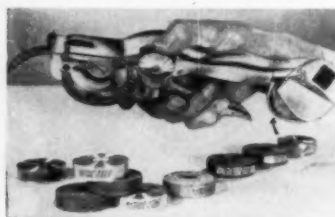
WHAT'S NEW IN EQUIPMENT

provide inexpensive and efficient storage for semi-active and inactive records. The original Miracle File Box is 12" X 15" X 10" deep.

The Paige Co.

Punch Your Name in Strap

The Dymo-Mite hand embossing machine lets you emboss your company name or any other message on plastic or metal straps. The manufacturer also provides a



Circle 139 on Reader Service Card

wide variety of 1/2-inch wide tape in colored vinyl, aluminum, Monel, copper, stainless steel, etc. All kinds come with or without pressure sensitive adhesive backing. When the plastic tape is embossed the raised area changes color, resulting in white letters against a colored background. Heavy duty models also available.

Dymo Corp

Angle Cutter Weighs 18 Lb

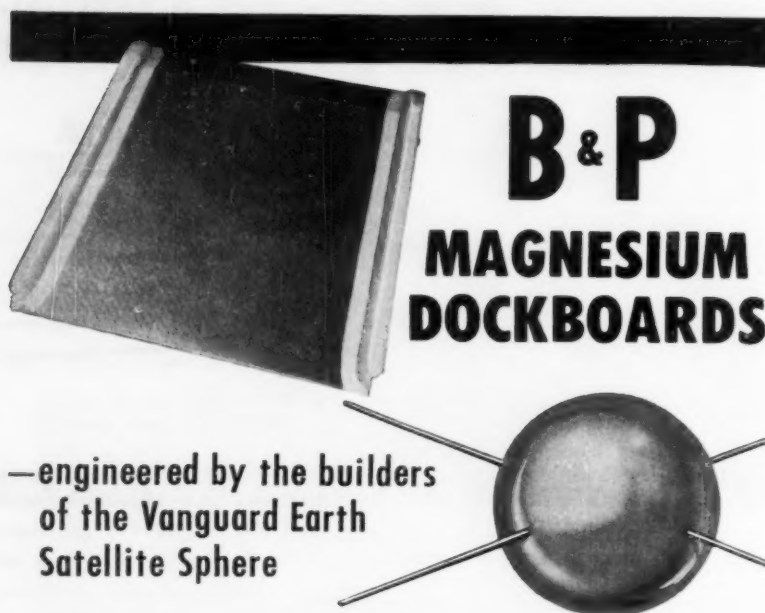
A new one-man cutting tool for slotted steel angle weighs only 18 lb. It is more compact, easier to handle, and costs about half of what its 38-lb predecessor cost.



Circle 140 on Reader Service Card

The cutter permits easier and more accurate straight and angular cutting. The tool is for metal lumber for small buildings, storage racks, partition framing, carts, tables, ladders, work benches and others.

Berger Division
Republic Steel Corp.



—engineered by the builders
of the Vanguard Earth
Satellite Sphere

COMPARE THESE IMPORTANT FEATURES:

- ✓ Exclusive, rugged forged ends on one-piece curb
- ✓ Full length hand grip for safe handling from any position
- ✓ Yellow lane markings on all boards
- ✓ Heat treatment after welding for longer life

Compare all the B & P features! Write today for the fact-packed B & P Dockboard folder.



BROOKS & PERKINS, Inc.

1922 WEST FORT STREET • DETROIT 16, MICHIGAN

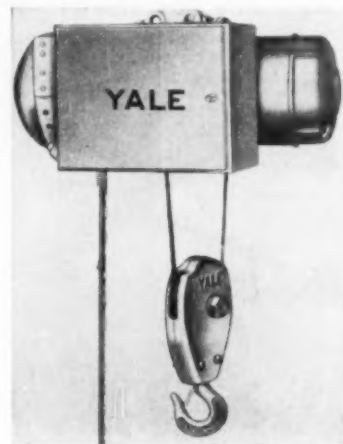
60-MH-4

AMERICA'S LARGEST MANUFACTURER OF MAGNESIUM ASSEMBLIES

Circle 6 on Reader Service Card

Hoist Control Babies Load

The Selectron AC electric hoist control makes the hoist operate from slow creep to full speed under both no load and full load at near absolutely constant speeds.



Circle 141 on Reader Service Card

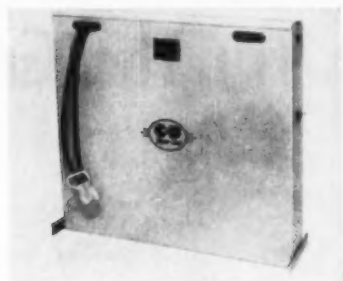
Manufacturer says this moderate cost development gives hoisting smoothness with varying loads which was previously possible only with more expensive direct current control systems. Heart of the system is a squirrel-cage motor used with conventional control components. Control unit requires no secondary controls, accelerating relays, or load resistors.

Yale & Towne Mfg. Co.

MATERIAL HANDLING ILLUSTRATED

For Narrow-Aisle Trucks

A Slyver-Clad battery is specially designed for the new narrow-aisle, stand-up electric industrial trucks. The Type 12-HG-9 has all features of the firm's mo-



Circle 142 on Reader Service Card

sive power line. This includes construction that reduces shedding and sediment build-up; greater cell uniformity, and Hi-Impac cell covers and containers to reduce accidental breakage or damage. Capacity is 480 ampere hours at the six-hour rate.

C & D Batteries Inc.

Lifts All Drum Types

A fork mounted drum lifter handles all types of standard steel drums, open or closed top. The gripping jaws will not



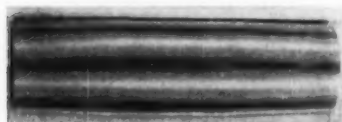
Circle 143 on Reader Service Card

damage the drum. A manual release avoids dropping drums prematurely. Lifting capacity is 2,000 lb. It attaches or removes in seconds.

Modern Light Metals Inc.

New Conveyor Pulley

According to the manufacturer, the Hydro Crown conveyor pulley gives the same result as a lathe crown yet costs less than a lagged crown pulley. It is said



Circle 144 on Reader Service Card

that this results from a unique method used to crown the pulley hydraulically. The Hydro Crown pulley is available in dimensions from 3 to 6 inches and in a wide variety of face widths. It can be furnished with positive or center crowns, as well as negative or double crowns.

The Chantland Co.

(Continued on page 22)

Built for rugged service...

2 NEW lightweight floor trucks

Here are 2 new trucks that feature corrosion-free properties plus strength without weight . . . up to 40% lighter than steel. This permits use in almost any industry plus larger loads and more trips with less energy, less manpower.

Nutting Structo-Lite Trucks are made of heat treated aluminum alloy, the same type used for heavy duty structures . . . non-sparking for safety where explosive material is used, non-toxic and resistant to attack by food and unaffected by most chemicals, and many acids and alkalis. Exclusive Nutting unitized frame construction holds proper alignment throughout unusual loads and abuse. New 3 bearing "friction-free" casters for easiest possible maneuvering.



Nutting Fiberglass Box Trucks weigh as little as 70 lbs. (steel trucks of the same size, 120 lbs.!) Chrome impregnated fiberglass is impervious to steam, oil and mild acids and alkalis — won't crack or corrode — withstands temperatures from -40°F to 212°F, even up to 250°F for short exposures. Smooth inside with rounded corners for easy cleaning.

These light, but extra rugged trucks are designed to increase your handling efficiency and to save you money — based on lighter weight, longer life, reduced maintenance and less downtime. For full information send the coupon today.

TRUCK AND CASTER CO.

152 Division Street • Faribault, Minnesota

Send Structo-Lite aluminum truck literature ☐

Send fiberglass truck literature ☐

NAME

COMPANY NAME

ADDRESS

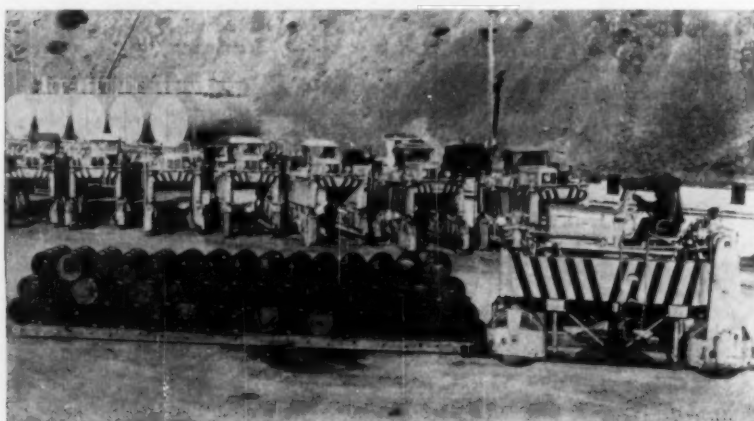
CITY STATE

Circle 57 on Reader Service Card



Circle 100 on Reader Service Card

SIDE-LOADING truck makes easy work of odd-shaped material like these auto parts. This useful vehicle has many varied jobs in yard storage. You'll often find this type hauling long lengths of pipe and stacking lumber.



Circle 101 on Reader Service Card

STRADDLE carrier can handle 48 (count 'em) barrels of petroleum. It takes extension shoes which bolt to the truck's regular shoes. A bolster makes the barrel load into a unit for storage at this Navy fuel annex. Straddle carriers also are useful with lumber, pipe, and other long loads.

Try The Great

YOU SHOULD consider storing in the yard; it's cheaper.

- Overhead is low: no building costs or maintenance.
- Surfacing is cheap: bare ground with slag roadway.
- Flexible layout: adjusts easily to scheduling changes.
- Unused space: costs less for idle area when inventory is low.



Circle 102 on Reader Service Card

A SELF-PROPELLED crane runs well on paving or in fields. This 5½-ton model can take a 60-ft boom for high stacking.



Circle 103 on Reader Service Card

A SCRAP GRAB on this truck piles refuse in the yard. Note laminated tires which help protect against cuts from the litter.

Outdoors To Save On Storage

Yard storing gives you better inventory control, stacking to any height, simple railroad handling, and it frees indoor space for production. Don't worry too much about the effect of the weather. Many parts and materials aren't affected at all. For others, there are rust inhibiting solutions. And new developments in polyethylene

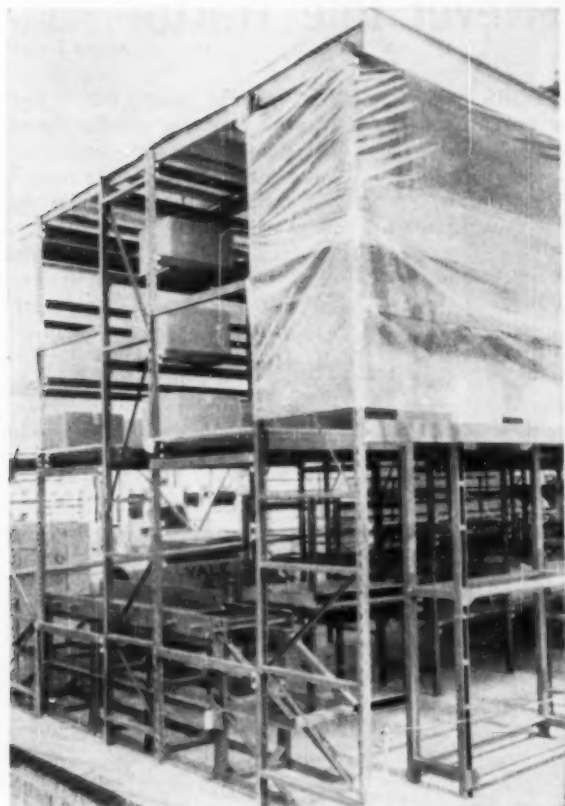
coverings add to the range of parts that store well out of doors.

You should consider racks. You can cover them with a roof, using upright frames as support. Plastic film taped to the frames makes sidewalls. Advantages: quick construction, additions made easily, moved or rearranged easily, and simple site suitable. • •



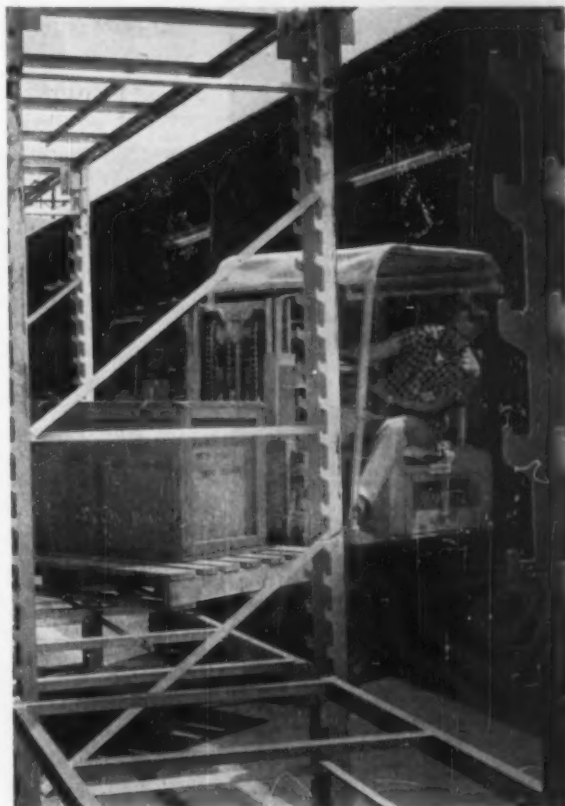
Circle 106 on Reader Service Card

A **FORK TRUCK** easily stacks long loads like lumber. Only the size of the vehicle limits the height to which material piles.



Circle 104 on Reader Service Card

STORAGE RACKS are much cheaper than buildings but retain some of the desirable features. These racks have a roof and sidewalls of plastic film. Sidewalls also come in corrugated sheets, fiber glass, panels, canvas.



Circle 105 on Reader Service Card

ADJUSTABLE metal storage racks help a California firm with orderly storage. They mark the aisles with white lines and each rack has its own code number. The fork truck lifts a plywood box holding loose parts.



Circle 107 on Reader Service Card
PLANT tour via trackless train keeps passengers from wandering.



Circle 108 on Reader Service Card
ELECTRIC rider-walkie tractor is shown in a typical towing job.



Circle 109 on Reader Service Card
ELECTRIC tractor can haul up to 12 loaded trailers at a time.



Circle 110 on Reader Service Card
OPERATOR wears transmitter on belt in remote control system.



Circle 111 on Reader Service Card
HEAVY duty tractor shown hauls from 5 to 7 loaded trailers each trip. The trailers are loaded with rugs, appliances, and furniture.



Circle 112 on Reader Service Card

LOW LIFT PALLET TRUCK with skid load of grocery items is hauled by tow tractor from order selection. Loads are positioned at assembly line.

Go-go-go from job to job for . . .

The Never Idle Tractor

TOWING TRACTORS today are designed for heavy haulage in close quarters. They have ample power to push or pull heavy loads on industrial trailers. Since the motive unit is separate from the burden carrier, it can work continuously with more than one train.

They're built for safe operation on steep grades. Engineers have designed them simple and rugged, and have made the operator's position comfortable. All controls are within easy reach.

There are four types of power: gasoline, LPG, electric, and diesel. Controls are: stand-up, rider, or driverless.

Operating advantages: Loads are always on wheels and readily movable by hand for short distances. The train is not confined to any fixed path. It can go anywhere that the movement necessitates. Trailers can be suited exactly to the material to be moved (side dump bodies for bulk material, box bodies for small parts, low dollies for barrels, platform trucks for general commodities).

And, material movement can be systematized. It can be tied

into regular production schedules by planning regular routes, dispatching trains at stated intervals, and by centralizing control.

Consider a tractor when you must move: (1) Many different products to one or many points; (2) One product in high volume, but infrequently; (3) One product between several buildings; (4) A low production item; (5) Powered vehicles short distances cheaper than they can be flown; (6) When the distance is greater than 150 to 300 feet; (7) For order picking operations.**



Circle 113 on Reader Service Card

SIX LOADED dollies are pulled by a fork truck carrying a load. Method cut handling costs 50%, gave a 300% volume increase.

A COMPLETE LINE OF ROLLER CONVEYERS

ENGINEERED AND
STANDARDIZED BY

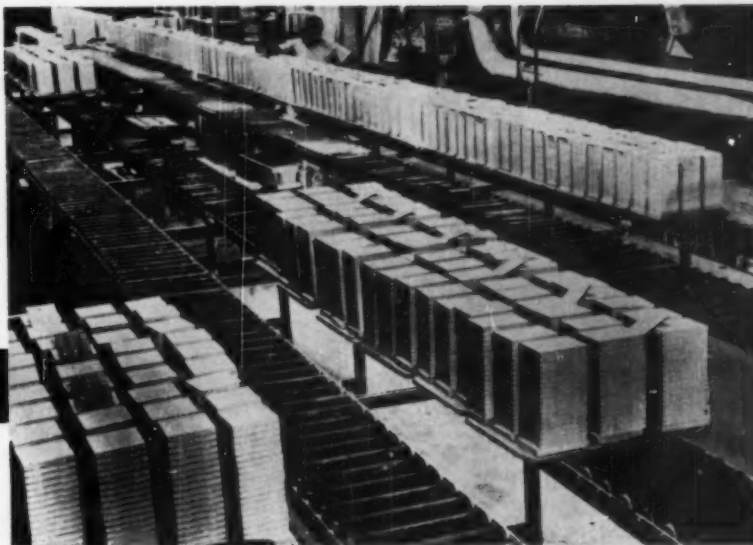
MATHEWS

The Mathews line of roller conveyor is complete, with rollers ranging from 1 3/8" to 6 1/2" in diameter, and with capacities from 60 lbs. to 13,000 lbs. High quality ball bearings are used throughout.

Accessories such as turntables, hinges and switches are available from stock.

A full line of couplings and supports makes the installation of Mathews Roller Conveyor lines convenient and easy.

For latest information write for Catalog 158



MATHEWS CONVEYER COMPANY

GENERAL OFFICES ELLWOOD CITY, PENNSYLVANIA

PACIFIC COAST DIV. MATHEWS CONVEYER COMPANY WEST COAST,
SAN CARLOS, CALIFORNIA

CANADIAN DIVISION . MATHEWS CONVEYER COMPANY, LTD., PORT HOPE,
ONTARIO.



MATHEWS

Over Fifty Years of Leadership in Mechanized Handling

Yale air hoists

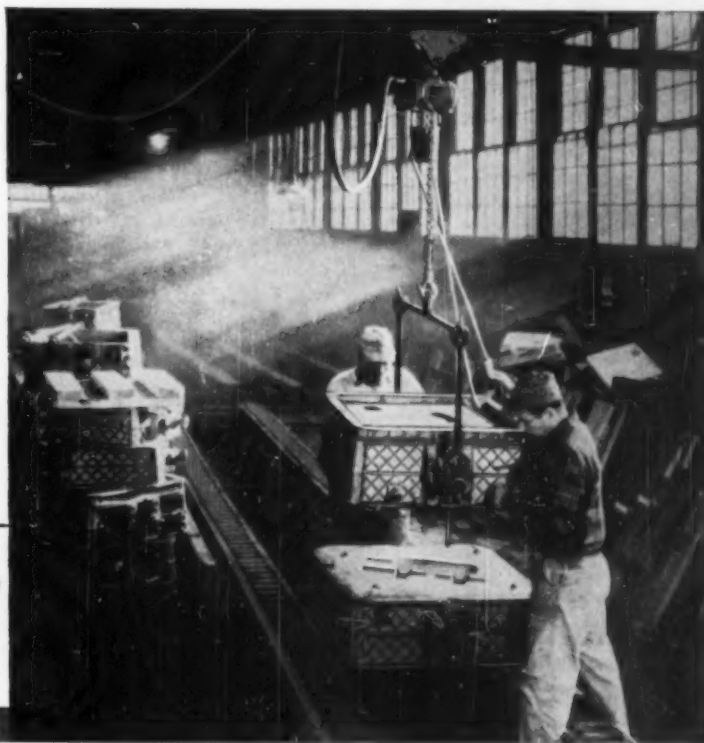
have proved themselves ideal in every type of tough operation. They are especially safe for overhead handling in hazardous atmospheres. The Air motor is explosion proof and cannot overheat. These light, compact hoists have constant speed control for smooth lift in either hook or trolley models. Capacities, 1/2 and 1 ton. Choice of roller or link chain, pendant or pull-cable control.

Contact your Yale distributor listed under "Hoists" in the Yellow Pages of your phone directory. Or write for brochure #5145A to The Yale & Towne Manufacturing Co., Yale Materials Handling Div., Dept. AH-5, Phila., 15, Pa.

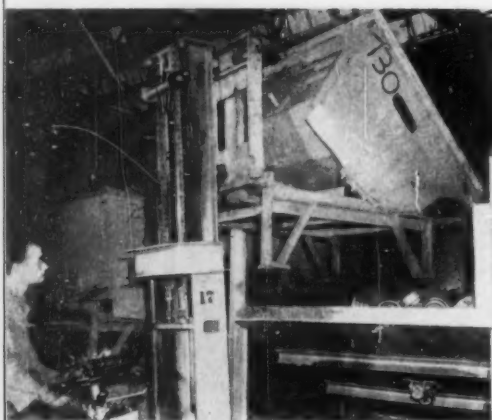
YALE

INDUSTRIAL LIFT TRUCKS
TRACTOR SHOVELS • HOISTS

YALE & TOWNE



Yale Materials Handling Division, a division of The Yale & Towne Manufacturing Co. Manufacturing Plants: Philadelphia, Pa., San Leandro, Calif., Forrest City, Ark. Products: Gasoline, Electric, Diesel, LP-Gas Industrial Lift Trucks • Worksavers • Warehousemen • Hand Trucks • Industrial Tractor Shovels • Hand, Air, Electric Hoists



Circle 114 on Reader Service Card

SELF-DUMPING HOPPER

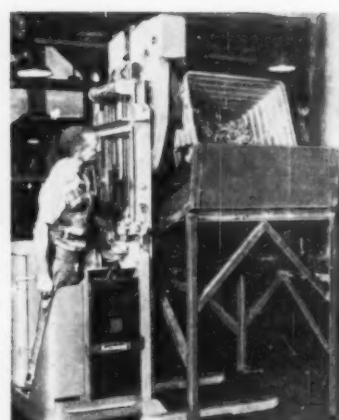
is picked up by fork lift truck and dumped at any height by operator. Hopper is designed so that load causes it to automatically tip forward when the latch is released. Then it returns upright.



Circle 116 on Reader Service Card

TRUCK MOUNTED DUMP

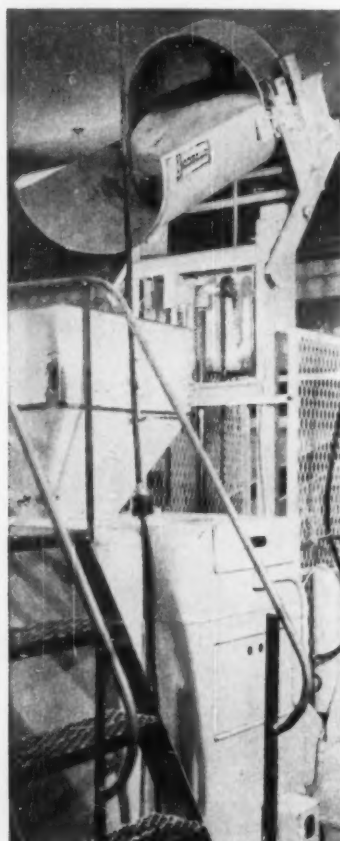
box is readied for hydraulically controlled dumping into a truck. Bottom of the box is hinged; downward movement of the forks causes box to open in "alligator" fashion, thus assuring fast flow.



Circle 117 on Reader Service Card

THE REVOLVING HEAD

on outrigger truck dumps in-plant containers either left or right. Truck can be used for all normal stacking functions when not used for dumping containers. This expedites handling of small parts.



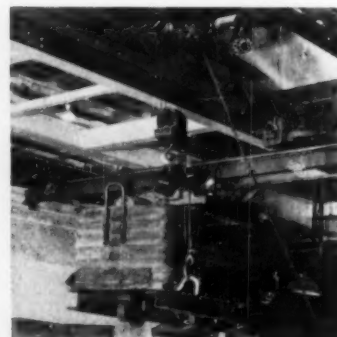
Circle 115 on Reader Service Card

ENGINEERED DUMPERS

are an integral part of production flow. Each must be designed for a specific product. Dumping rate, height, material are all factors.

Dumping—a Material Handling Shortcut

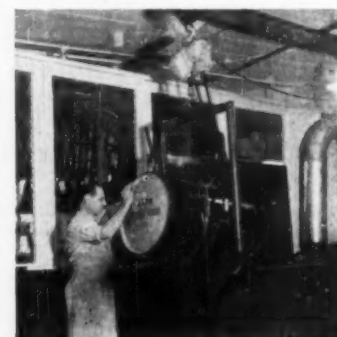
ALMOST EVERY manufacturer has some kind of dumping as part of his operation. It may be scrap, small parts, bulk material, or liquids. And for every dumping situation there are special containers, lift truck attachments, and stationary dumpers to fit any need.



Circle 118 on Reader Service Card

OVERHEAD HANDLING

of dumping containers is performed by hoist. This same container has wheels for towing and fork entries for lift truck use.



Circle 119 on Reader Service Card

DUMPING BARREL GRAB

can be operated by manually activated lever or by electric motor. Here it is used with an electric hoist in a degreasing operation.

GRIPPER[®] woven wire SLINGS

here's GENTLENESS for any lifting job

With a Gripper Sling, even delicate motor parts, polished stock or thin walled tubing can be moved without load damage. The smooth, broad bearing surface doesn't cut or score the load. Spiral wire construction gives the Gripper Sling complete flexibility . . . allows the sling to wrap around the load and hold it in a firm, but gentle, grip. Gripper Slings are extra safe because there's nothing to snap or tear suddenly and drop the load.

Gripper Slings, protested to meet load specifications, are available in standard lengths and widths with capacities up to 100,000 lbs. Special sizes, alloys or Neoprene or PVC covered slings available. Write for FREE CATALOG and name of your nearest materials handling distributor.



The Cambridge Wire Cloth Co.

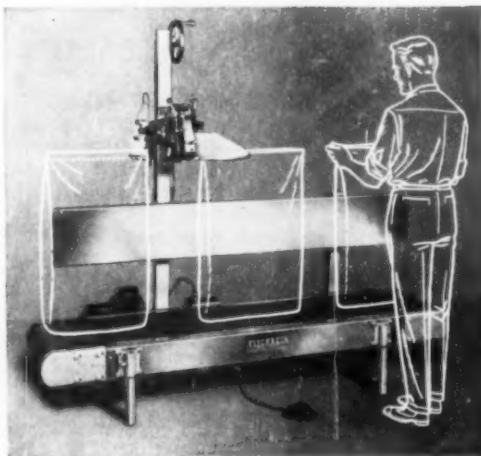
Department AF • Cambridge 2, Md.



FISCHBEIN

LOW COST
EFFICIENT

BAG CLOSING EQUIPMENT



AUTOMATIC MODEL BA-6

Bags start the sewing operation when they reach the head. After sewing, thread is cut automatically and conveyor belt continues to move bag. Instantaneous start/stop controls.



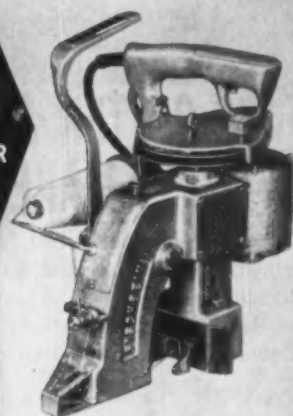
FISCHBEIN
Portable
BAG CLOSER
MODEL C



FASEAL

TAPE BINDING ATTACHMENT

- Produces perfect tape-bound closures.
- Complete portability maintained.
- Can be quickly removed when tape-binding is not required.



- Total weight, only 10½ pounds.
- Requires no installation, supports or plant space . . . merely plug into any electrical outlet.
- Handles all textile and paper bags.
- Closes average 100 lb. bag in less than 6 seconds.

Write for complete
Catalog File of
Bag Closing Equipment.



DAVE FISCHBEIN CO.

2730 30th Ave. S., Dept. M H
Minneapolis, Minn., U.S.A.



GO-GETTER CUTS COSTS IN HALF; MAKES JOB SAFER

A leading chemical plant faced with the double explosion hazard of ethylbenzene fumes and aluminum chloride dust, solved its material handling problems — and saved money in the process — through the use of Revolvator's new fork lift trucks labeled Type Ex by Underwriters' Laboratories for Class 1 Group D explosion hazardous areas.

Previously, two men with a hand truck were required for this operation. Since the introduction of the Explosion Proof Go-Getter, one operator easily charges the hoppers in a safe manner with a minimum effort. "What used to be a dangerous, disagreeable job has now become a simple task," says the plant manager.

The explosion proof Go-Getter, available in 12 standard models, is but the latest development in Revolvator's better than a half century of experience in materials handling equipment covering standard walkie lift trucks, hand lift trucks, portable elevators and related equipment.

REVOLVATOR CO.

8719 TONNELE AVENUE, NORTH BERGEN, N. J.
SINCE 1904

Circle 63 on Reader Service Card

HANDLING HIGHLIGHTS

(Continued from page 4)

Fork Lift Aweigh!

You can weigh material accurately while carrying it on your lift truck. The Weighing Attachment is guaranteed accurate to 2/10 of 1 per cent regardless of where the load is placed on the forks. Send for a booklet from the Clark Equipment Co.

Circle 77 on Reader Service Card

Hidden Warehouse?

Learn about the "hidden warehouses" in your plant. To find out whether these wasteful installations are costing you money, write The Rapids-Standard Co.

Circle 11 on Reader Service Card

To Dump Anything

Tubar Dumpers are designed for any type container, in capacities of 100 to 6,000 lb. Write Uhrden Inc. for help with your specific job.

Circle 73 on Reader Service Card

Mark Continuously

Mark any product continuously with this coder. It works on cloth, kraft, corrugated, metal, paper, glass, plastics, waxed surfaces, and others. Ask for free literature from Algene Marking Equipment Co.

Circle 81 on Reader Service Card

For Automatic Conveying

Air-operated components make an overhead conveyor truly automatic. Learn what such a system can do for you by writing to Conveyor Division, The American MonoRail Co.

Circle 3 on Reader Service Card

Non-Corrosive Trucks

Two new light floor trucks are corrosion-free. One is an aluminum alloy truck and the other, a fiberglass box truck. Send for information from Nutting Truck and Caster Co.

Circle 57 on Reader Service Card

Slings Are Gentle

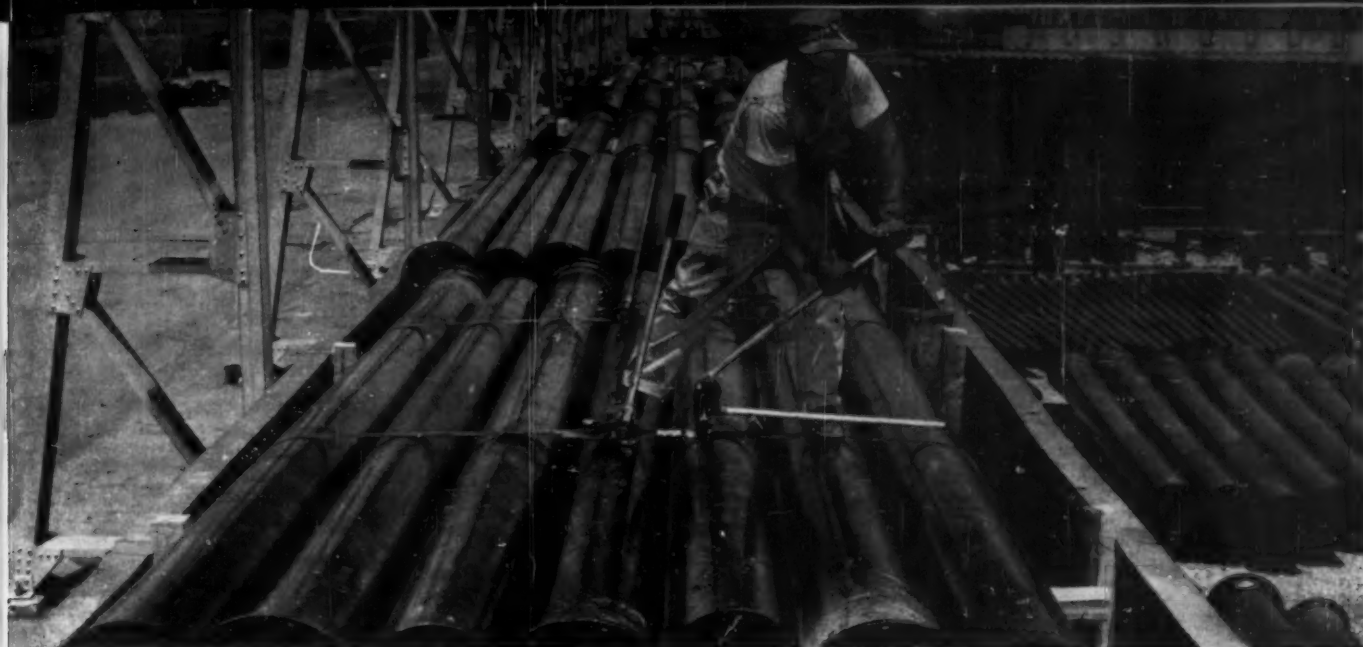
Woven wire slings are gentle in any lifting job. The smooth, broad bearing surface won't cut or score the load. Ask for a free catalog from The Cambridge Wire Cloth Co.

Circle 16 on Reader Service Card

Easy Rack Changes

All it takes is a hex key, hacksaw, and fittings to build, change, expand, or move your storage racks. Find out how from The Hollaender Manufacturing Co.

Circle 39 on Reader Service Card



Circle 121 on Reader Service Card

Steel Strapping: Big Tie-Power for Industry

THE TWO COMMON TYPES of steel strapping are standard and heavy duty. Biggest difference between them is the amount they stretch. Standard strapping stretches very little. Use it for baling, bundling, closing cartons, and other relatively light jobs. Heat-treated heavy duty strapping stretches under tension. It's good for heavyweight applications like carloading. It can take the bouncing, twisting, and other tortures without snapping.

While most strapping is flat, you can also get round and oval types. Don't confuse them with common wire; they're made of high carbon steel. While most flat strapping uses metal seals for

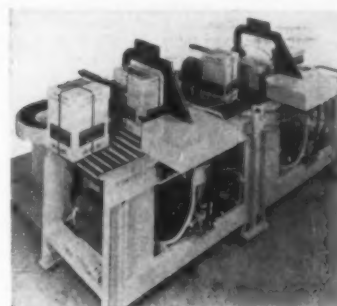
closing, you can close round strapping just by twisting.

There are also special straps—printed, punched, curved, special alloys—for almost any needs.

Strapping tools: Choose them to fit the situation. They fall into three categories, by use: stretching, sealing, and cutting. They come in all kinds from simple plier-like hand tools to complex automated systems.

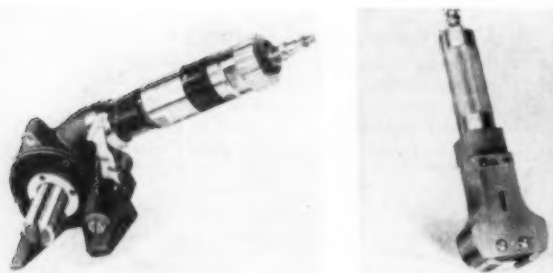
Accessories: Don't overlook them. Seals, dispensers for coiled strap, tool mounts, corner protectors, and anchor plates can make the difference between success and failure in your entire packaging and shipping operation. Ask your supplier about them. ♦ ♦

HAND SEALER crimps metal seal to fasten steel strap as worker prepares a carload of heavy duty pipe for shipment. Note hand tensioner left of double seal.



Circle 122 on Reader Service Card

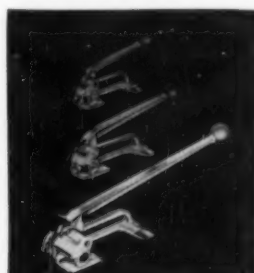
AUTOMATION in strapping. This machine straps any size carton to pre-set tension, in both directions. Needs no operator.



Circle 126

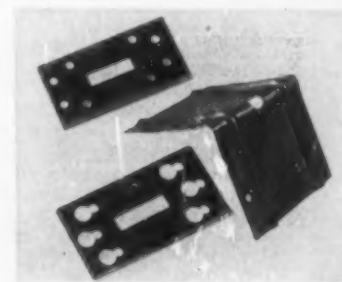
Circle 125

POWERED TOOLS. Pneumatic stretcher (left) tensions quickly, accurately. Hydraulic sealer (right) crimps heavy duty straps and seals at the push of a button.



Circle 124 on Reader Service Card

HAND TOOLS for light, medium, or heavy straps. Tools like these are versatile and simple to use.



Circle 123 on Reader Service Card

STRAPPING ACCESSORIES. Anchor plates (left) hold loads to rail car walls, floor. Corner protector (right) guards load edges.

WHAT'S NEW IN

USEFUL LITERATURE

30 Basic Joint Designs

They show 30 basic joint designs with universal slotted angle. Literature also suggests dozens of uses. This framing material can be used for racks, platforms, billboards, conveyors, partitions, carts, mezzanine floors, and others. It comes with 48 pre-notched holes in each foot,

with 3-inch diamond measuring marks. The finish is gray baked enamel.

FlexAngle Corp.

Circle 200 on Reader Service Card

Kit For Truck Loading

A powered floor conveyor kit lets you load and unload van trucks and trailer

bodies automatically. The MotoVator comes in five different models covering general cargo to special pallet and unitized loads. A catalog will give you details.

H. S. Watson Co.

Circle 201 on Reader Service Card

Need An Industrial Truck?

When an industrial truck wears out, should a company buy a new one or rebuild the old one? What factors should be considered in making such a decision? Company's publication "Lift For Industry" covers this in a 5-page article.

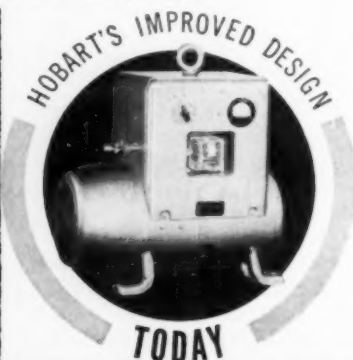
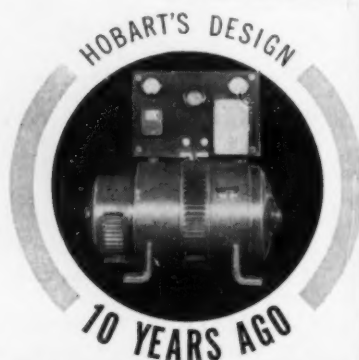
The Elwell-Parker Electric Co.

Circle 202 on Reader Service Card

TEN YEARS OF PROGRESS...

By **HOBART**

Just as the electric motor freed industry from the restrictions of line shafting, the motor-generator provides even greater advantages such as "on-the-spot" conversion from a.c. to d.c. power. A typical application in the materials handling field is for battery charging.



For the last ten years Hobart has kept pace with the design and development of motor generators for charging electric industrial truck batteries. Hobart quality and reliability, backed by local service, that is unsurpassed in the industry, make it the leader in its field.

MAJOR DESIGN CHANGES...

For "on-the-spot" charging by inexperienced personnel include:

- Completely enclosed dead-front construction for operator safety and component protection
- Hobart Charge Control for foolproof operation and easy equalizing
- Input and output cables for quick installation
- Generator design for factory-set charging rates

Other changes include more efficient basic electro-mechanical design that facilitates easy modification by the customer for installation of recycling and remote controls, ampere-hour and cell selectors etc.

Today, MGC manufactures a complete line of battery-matched Hobart Generators for the smallest motorized hand to the largest rider type truck batteries, in either single or multiple-circuit design. Follow the trend by looking to HOBART for the latest developments in motor-generator battery charging equipment.

If you would like to know how you can use a Hobart Charger to profit, your letter sent to the address below will bring a prompt response.



MOTOR GENERATOR CORPORATION
(Hobart Brothers Affiliate) Box MHI-260, Troy, Ohio

Circle 54 on Reader Service Card

Longer Life In Box Wire Stitching

Arcuate stitching is a method in which an arc is put in a cross-section of flat wire as it runs through a stitching machine. Questions and answers by an expert in wire stitching are presented in a 10-page booklet. Less down-time, lower maintenance costs, more stitches per coil of wire at lower cost, and increased wire strength are among advantages listed.

Acme Steel Co.

Circle 203 on Reader Service Card

Folding Tote Box Saves Storage Space

Designed with automatic folding action, the Miracle Tote box locks open into a sturdy tote box in two seconds. It pulls flat for space-saving storage. Can be used for inter or intra plant transportation of parts, storage of papers and records, inactive parts or accessories. Typical applications are illustrated.

The Paige Co.

Circle 204 on Reader Service Card

Low Cost Handling Of 10,000 to 12,000 Lb. Loads

How to achieve this fast low-cost handling is described in an 8-page brochure which describes the company's all-new Challenger 100-120 series lift trucks. Models are specifically engineered for handling loads in this pound range.

Hyster Co.

Circle 205 on Reader Service Card

Caster And Wheel Catalog

Catalog No. 39 gives 44 pages of industrial casters and wheels, well-illustrated with photographs and section views. Detailed specifications, features, suggested uses, mounting dimensions, capacity ratings, are offered. An individual section is devoted to "custom-built" casters.

Albion Industries, Inc.

Circle 206 on Reader Service Card

Trucks Position Work

Operators work from and into removable and adjustable trays of the Adjusta trucks. There are few production delays because the work backlog is within easy reach. Work-in-process is temporarily stored between operations. Eight styles

of trays are available. Literature pictures actual machining operations using shelf and peg trucks.

Hartman Metal Fabricators, Inc.

Circle 207 on Reader Service Card

Electric Hoists

The company's complete line of hoisting equipment is described. Four primary design fundamentals are: safety, efficiency, adaptability and ruggedness. Features include oversized brake, swaged on fittings, mechanical brake, and gear train. Complete specifications are listed in catalog E-58.

American Chain & Cable Co., Inc.
Wright Hoist Div.

Circle 208 on Reader Service Card

Truck Loading Dock Aids

Planning a new or improved truck loading dock? Here's an informative kit available that contains facts, figures, and equipment data. Featured is an 8-page booklet called "Loading Docks and Yards."

The Kelley Co.

Circle 209 on Reader Service Card

Rapid Roller Gravity Conveyor

Typical applications are given in bulletin RR-58. Construction features are explained. Specifications, weights, and capacities are presented in charts and tables. Factors to consider in installation are fully explained.

The Rapids-Standard Co., Inc.

Circle 210 on Reader Service Card

Truck Crane

Safe loadlifts up to 35 tons with a 40 foot boom, on or off the pavement, and top travel speed of 26.5 m.p.h. are the high lift capacity and travel speed emphasized in the new Koehring 435 truck crane bulletin. Full data can be obtained in this heavy-duty construction equipment folder.

Koehring Division,
Koehring Company

Circle 211 on Reader Service Card

Gravity Conveyors

A handbook that is slated as a reference book for the engineer who uses conveyors to solve unit load handling problems. Illustrations explain the application of gravity conveyors and the more common accessories. Conditions to be avoided are pointed out.

Lamson Corp.

Circle 212 on Reader Service Card

Same Belt For Light And Heavy Packages

Data sheet 2550 is on a ribbed design for Cripitite belts. It is selfcleaning and designed for use wherever packages range from very heavy to extra lightweight. Every 18 inches, a rib raised higher than the rest stops lightweight packages from sliding.

B. F. Goodrich Industrial Products Co.

Circle 213 on Reader Service Card



LOW
initial cost
INEXPENSIVE
to install and
easy to operate

Air Powered Hydraulic DOCKBOARD



SAFE, READY FOR INSTANT USE.

Nothing to lift or carry, the AERO-BOARD safely stands upright, out of the way when not in use. The operator must turn the air valve handle that releases air pressure before the board lowers into position.

Another time saving and safety feature—the van can be spotted snug against the bumper dock and the van doors opened (or closed) with the AERO-BOARD in the upright position.

SIMPLIFIED DESIGN. Parts included in the AERO-BOARD "kit", as assembled at the factory, are adaptable to most docks without extensive dock modification.

INEXPENSIVE TO INSTALL. Kit is complete ready to install on new docks or on docks being modernized—no electrical wiring required, just mounting and air pipe connections. Simple "air-over-oil" hydraulic system raises and lowers AERO-BOARDS. . . . Power is supplied from air system which is standard on many docks.

KIT INCLUDES 57" long x 60" wide safety tread steel board with tapered front edge and guard rail, mounting plate, hydraulic cylinder and cradle, fluid reservoir tank with mounting bracket, control valve and flexible hose lines.

AERO-BOARD

\$410⁰⁰

Ready to Install

Custom Engineering Service

The standard AERO-BOARD is engineered and manufactured for easy installation on docks with permanently constructed bumpers to carry a loaded 4,000 lb. capacity lift truck. The same model with a separately constructed fabricated steel bumper (see illustration at right) can be installed on concrete or wood flush docks.

If the standard model does not fit your requirements, Freightliner will custom engineer and manufacture AERO-BOARDS for your specific needs. . . . Ask about this special service.

SOLD AND SERVICED BY LEADING MATERIALS HANDLING EQUIPMENT DEALERS

Write for complete specifications and name of your nearest dealer.

Manufactured by

**DEALER
INQUIRIES
INVITED**

Freightliner Corporation

Dept. 2-H, P. O. Box 3591 • Portland 8, Oregon

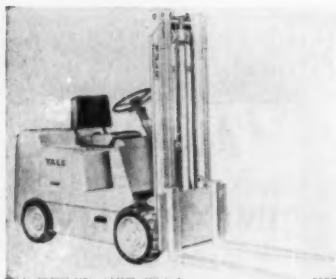
Circle 36 on Reader Service Card

WHAT'S NEW IN EQUIPMENT

(Continued from page 11)

Improved Lift Trucks

A line of gasoline and LPG powered lift trucks comes in 3,000, 4,000, and 5,000 lb capacity models in cushion or pneumatic tire types. The line features advances in power transmission, mast construction, compactness, operating speeds, stability, and maintenance. Standard



Circle 145 on Reader Service Card

struction, compactness, operating speeds, stability, and maintenance. Standard

TO MOVE MATERIALS MORE EFFICIENTLY . . .



. . . another car load of ROLLWAY portable steel dock plates

America's leading industries . . . from coast to coast are changing over to the ROLLWAY portable steel dock plate. It's proven to be far superior to any other type of dock plate and here's why:

- One man can roll it in and out of position with ease! Eliminates use of lift truck.
- Constructed from heavy, rugged steel that can really take it!
- Wheels and handles fold completely out of the way when in use!
- Safety engineered to eliminate many costly accidents!

Make the change to ROLLWAY portable steel dock plates on your loading dock. Cash in on the many big advantages. Step up the materials handling efficiency on your loading dock.

Write for more information on the many different sizes of ROLLWAY portable steel dock plates. Do it right away!

WOODFORD MANUFACTURING CO.

1606 Delaware

Des Moines, Iowa

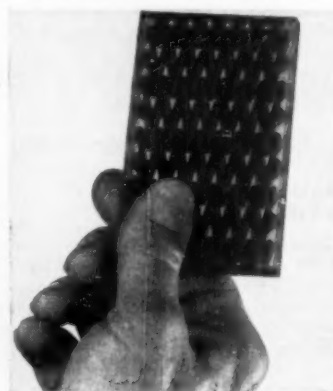
Circle 75 on Reader Service Card

equipment is an automatic torque transmission to do away with manual gear changing. For inching, the left pedal is a combination inching and brake unit. The right pedal is for brakes only. The 3,000 lb capacity cushion tire truck turning radius is 70 inches. Rugged masts consist of two nested I-beams with extra thick flanges for longer wear. The seat is 37½ inches from the ground, placing the top of the average operator's head below the top of the popular mast heights.

The Yale & Towne Manufacturing Co.
Yale Material Handling Division

Sling Handles Gently

You can get Gripper Slings with a clear polyvinylchloride covering to keep the load surfaces free from damage. The clear PVC coating allows you to inspect the metal-



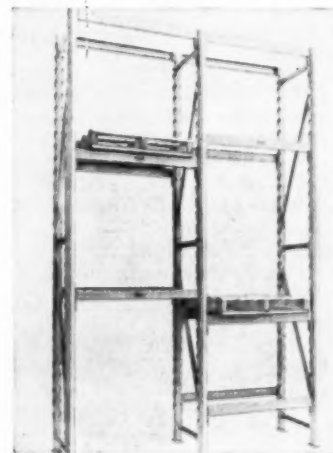
Circle 146 on Reader Service Card

mesh fabric inside. The covered slings can be used in corrosive acids (chromic, hydrochloric, hydrofluoric) and caustics (ammonium hydroxide, sodium hydroxide, copper sulphate).

The Cambridge Wire Cloth Co.

Rack Goes Up By Hand

A boltless rack is assembled and adjusted by hand. Each shelf connection wedges vertically, front to back and side to side.



Circle 147 on Reader Service Card

The uprights are engaged by support beams in connector holes and driven into wedged position. It can be adjusted in height by driving out the beam and re-locating on four-inch centers. Outsidies of the uprights are smooth.

Hartman Metal Fabricators

10-Jet Lubricator

A 10-jet lubricator gives positive lubrication to eight wheels and two ball-and-socket joints of American Chainless con-



Circle 148 on Reader Service Card

veyor trolleys. The system shoots oil into wheel bearings and joints with minimum loss and dripping. The lubricator operates under some 40 lb of air pressure.

*Conveyor Division,
The American MonoRail Co.*

Trucks Made of Aluminum

A series of lightweight, all-aluminum floor trucks has been designed where easy rolling and corrosion-free properties are required. They are made of heat treated



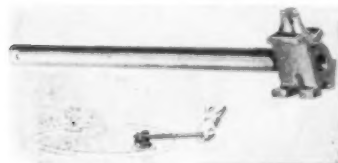
Circle 149 on Reader Service Card

structural aluminum alloy, non-sparking, non-toxic, and resistant to attack by foods. The safety tread deck is enclosed by a double angle frame. Welded construction provides a one-piece unit, thoroughly braced. These trucks have three-bearing casters with demountable rubber tired wheels. The trucks come in six standard deck sizes.

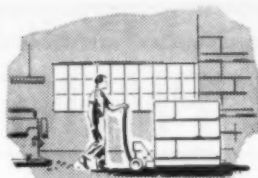
Nutting Truck and Caster Co.

A Wrench for Any Drum

The Morse drum plug wrench will fit almost any popular drums on the market. Seven projections and five slots conform

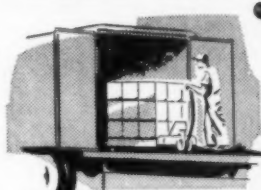


Circle 150 on Reader Service Card



Short Hauls

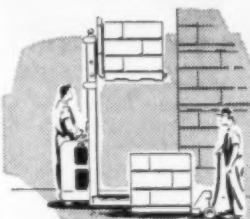
This truck suits 'em all!



Close-Quarter Maneuvering



Infrequent Handling



Complementing Power Equipment



Light-Capacity Elevators-Floors



In-Process Handling



MODEL L3P
Capacity 3,000 lbs.

WORLD'S MOST POPULAR pallet truck because it does so many jobs so well. Superbly built to withstand years of use and abuse.

LIGHTWEIGHT . . . lessens operator fatigue.

EASY TO MANEUVER . . . easy to pull . . . patented booster roll permits effortless pallet entry.

CONVENIENT FOOT PEDALS lift and lower your load.

• Completely precision hydraulic for dependable operation. Has aluminum alloy construction, husky one-piece welded steel frame, safe dual-purpose brake, 270° turning radius.

Mail Coupon for full details!

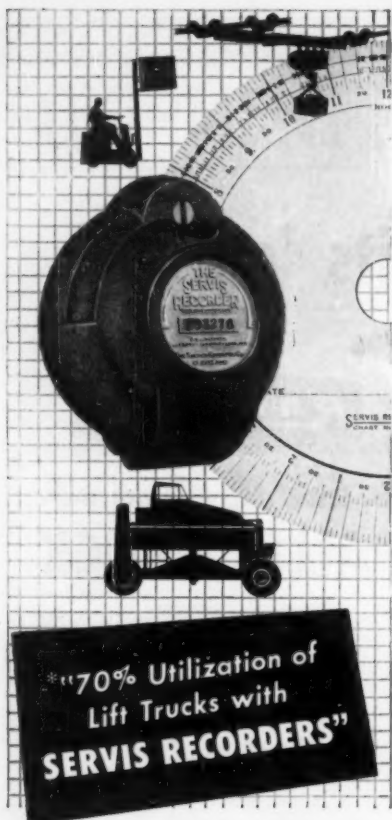
The RAYMOND CORPORATION

30198 Madison St., Greene, N.Y.

- ☐ Send bulletin on Lightweight Hydraulic Pallet Truck.
☐ Please have a RAYMOND representative call.

NAME _____ TITLE _____
COMPANY _____
STREET _____
CITY _____ STATE _____

Circle 61 on Reader Service Card



"70% Utilization of Lift Trucks with SERVIS RECORDERS"

"Maximum utilization of a fleet of twelve straddle trucks, sharply reduced materials handling costs and vastly improved production scheduling... these resulted from Servis Recorders being installed on two-way radio-equipped trucks," reports a materials handling superintendent for a leading steel maker.

Servis Recorders chart on easily read, permanent records, every minute of each truck's busy or idle time. Supervisors check each operator's busy time, authorized and unauthorized down time, and regular maintenance time is also shown.

Whether your time measurement problem stems from materials handling equipment, motor trucks, factory machines or process equipment, there is a Servis Recorder to solve your problem.

*This complete story is available in editorial reprint form. Send your request today

CHECK THE CATALOG YOU WANT:

THE SERVICE RECORDER COMPANY
1015 C Rockwell Ave.
Cleveland 14, Ohio

☐ Lift Trucks ☐ Machinery ☐ Motor Truck

Name _____

Company _____

City _____ Zone _____ State _____

Circle 66 on Reader Service Card

WHAT'S NEW IN EQUIPMENT

to almost any bung made. It's light, well balanced, easy to use. A 16' handle gives enough leverage to open even the toughest bungs. Model 61 is made of special steel alloy, for drums holding non-volatile fluids. Model 61M is non-sparking bronze for hazardous areas.

Morse Mfg. Co., Inc.

Yard Ramps Form Loading System

With the Mobil-Dock system you can spot incoming and outgoing shipments and load or unload materials exactly when and where required. No pile-ups at the dock. The system consists of a



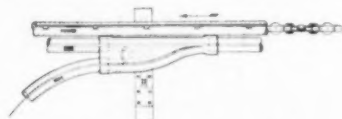
Circle 151 on Reader Service Card

Mobile Loading Ramp for loading and unloading between trucks and yard without a dock. The magnesium yard ramps are easy to move about to the spots where they're needed. The system is said to eliminate multiple handling, costly loading delays caused by queuing, and shuttling shipments to and from fixed dock locations.

Magline Inc.

Track Switch

This compact track switch for power and free combination conveyor systems furnishes adaptability to production needs. The switch is electronically controlled through limit switches and solenoids. Or



Circle 152 on Reader Service Card

it may be operated manually through pull-chain attachments. Self-indexed carriers can route themselves automatically in and out of pre-selected processing or free storage lines, to and from stations, areas, and departments, or will recycle if required.

Chainveyor Corp.

Stacks In 6-Ft Aisles

This fork lift truck is designed to stack in aisles as narrow as 6 ft. Model 590

3 TOP VALUES

From Among 80
BIG JOE
Lift Truck Models



1

"the PEDALIFT 21"

\$199⁰⁰ complete

1000 lb. capacity
54 in. lifting height



2

"the 299"

\$299⁰⁰ complete

1000 lb. capacity
57 in. lifting height
Battery Operated



3

"the CHALLENGER"

\$397⁵⁰ complete

1500 lb. capacity
57 in. lifting height
Battery Operated

Hydraulic Handling for
EVERY Department



BIG JOE
Manufacturing Company

Ralph Hines Road
Wisconsin Dells, Wisconsin

Circle 5 on Reader Service Card

can lift a 4,000-lb load 70 fpm. Hydraulically-operated outriggers permit the front end assembly to turn 90° in either direction. The vehicle can be used as a tradi-



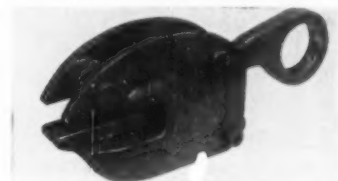
Circle 153 on Reader Service Card

tional fork lift truck. A special drive eliminates clutch assembly, transmission, drive line, differential, and all shifting. The drive provides immediate forward and reverse movement through the foot pedal. The truck comes in gasoline and LPG models.

Towmotor Corp.

No-Teeth Clamp

A non-marring clamp lifts stainless steel, copper, aluminum, and other polished metals. Model NM has smooth jaws with no teeth. Positive grip comes from a finger-adjustable wedge on one side of



Circle 154 on Reader Service Card

the jaw and a 5-to-1 gripping ratio on the other. The clamp has a safety factor of 3-to-1. The clamp locks or unlocks by a wedge-screw. The lift comes in capacities of 1/2 to 12 tons, with other sizes on request.

J. C. Renfro & Sons

Pushbutton Strapping

Just set a dial for the length of strapping and the number of straps you need, and push the button. The Model #440 Bulkholder Dial-A-Band does the rest.



Circle 155 on Reader Service Card

This heavy duty flat steel strapping dispenser automatically cuts the quantity and length you dialed. It's fully adjustable to take 3/4", 1 1/4", or 2" flat steel strapping in ribbon wound coils. Electric model works on 110 volt single phase alternating current. Air operated models work on 60 to 90 psi.

A. J. Gerrard and Co.

Tractor Shovel With Special Features

The HD-6G 1 1/2-cu yd tractor shovel is powered by an AC 4-cycle diesel engine rated at 72 net horsepower. Dumping

height of the unit is over 9 ft. It has ample reach to get bucket loads out to the center of high-sided trucks. Shovel



Circle 156 on Reader Service Card

functions can be precisely controlled with

TIER-RACK MAKES HIM

A QUICK-CHANGE ARTIST

... He Alters Your Layout in Minutes

Pat. No. 2,828,932
Pat. No. 2,828,933
and Pats. Pending



Reach solid-stowed or high-tiered items in a few quick moves... change your storage setup in a hurry... when you use portable Tier-Rack pallet stacking frames.

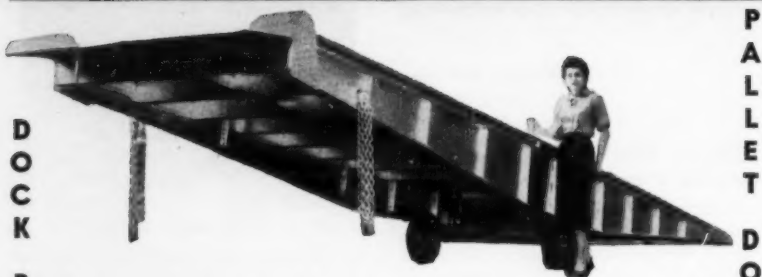
Put idle aisles and empty air space to work, too... gain up to 50% more storage room in your present floor area.

Send for booklet TR-8.

TIER-RACK CORPORATION
122 N. 7TH ST., ST. LOUIS 1, MO.

Circle 70 on Reader Service Card

lite-line Mobile Yard Ramps



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The dock that goes to the job will cut your loading costs

A Lite-Line Yard Ramp moves easily into position, to load or unload truck or rail car.

SAFE • RUGGED • LIGHTWEIGHT

For complete information write to

lite-line
MAGNESIUM DOCK EQUIPMENT

LITE-LINE METAL INDUSTRIES
DIVISION OF
COPPERLOY CORP.
P. O. BOX 8438 • CLEVELAND, O.

MORSE Model 80 Barrel-Lift

Now... one man can safely handle liquid drum loads from 500 to 1,000 lbs.—raise, rotate, transport, tilt and drain 55 gal. drums. The mess, expense and hazards of spills, leaks, overflow and drum damage are eliminated. Sturdy, all steel welded construction... rubber tired wheels with ball bearings and rubber tired rear caster.



MAN • MINUTE • MONEY SAVERS!

MORSE Model 85 Drum-Karrier

Provides complete control. Easy one-man operation. Attaches to any monorail hoist... for all double chine drums 23" in diameter, 36" in height. Positive tilt locks hold drum in vertical position for carrying... provide control of tilt for mixing or dispensing. All steel welded construction.

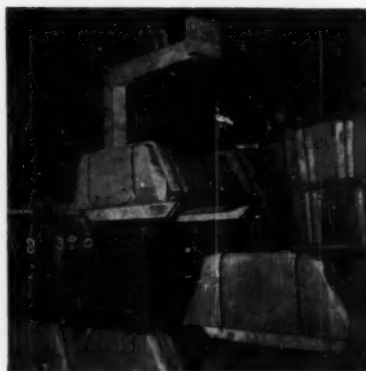


Clip this ad to your letterhead



MORSE
MANUFACTURING CO., INC.
759 West Manlius Street, East Syracuse, N. Y.

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As Little as \$285 Makes Your Hoists and Cranes Into Fork Lifts



You can now handle pallet, coil and other unit loads where fork trucks are too expensive or impractical. America's foremost industries are saving thousands of dollars in first cost, handling cost, operating cost and maintenance cost with Cady Pallet Lifters. Repeat orders are proof of satisfaction. Counterbalanced to hang level, they are easy to use and reduce non-productive handling costs in plants, in yards, on docks and on job sites. Standard Pallet Lifters up to 10,000 lbs. capacity. Coil Lifters up to 40,000 lbs. capacity. Custom models to fit special conditions. Write or phone Jackson 4145.

CADY METAL FABRICATING, INC.
85 Schenck St. N. Tonawanda, N. Y.

Circle 8 on Reader Service Card

WHAT'S NEW IN EQUIPMENT

the hydraulic system that incorporates a specially designed heavy-duty gear-pump. The pump is mounted directly to the front end of the engine crankshaft. Forward down-sloping hood design permits the operator to watch all bucket operations. Tractor's slim fuel tank and stub fender design gives good work area visibility. Wide variety of attachments is available.

Allis-Chalmers

Heavy Duty Chain

A heavy duty bundling chain is suitable where high chain yield points are required and where crushing loads are encountered. The ACCO Armored Chain



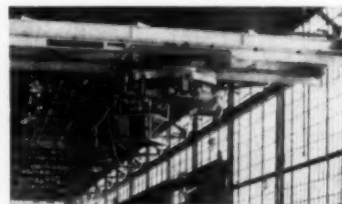
Circle 157 on Reader Service Card

is made from low carbon steel. Among its properties: non-kinking, will not crush (good for slab and billet operations), has the same working load limit as high carbon, high test chain, is unaffected by high temperatures.

American Chain & Cable Co.

Merry-Go-Round Crane

This double bridge, 10-ton power operated monorail crane is equipped with a circular track carrier. Carrier consists of two 5-ton electric hoists and monotractors



Circle 158 on Reader Service Card

for propulsion 360 degrees. Long, heavy loads can be spotted anywhere beneath the crane bridge and within inches of the end approach. Control of all movement can be maintained from either the cab or from push-button station at the floor.

American MonoRail Co.

AMERICAN
Safeway

PORTABLE ELEVATING TRUCKS
for any stacking job

From 46" to 130" lift



STANDARD
MODELS
priced from

\$190⁰⁰
to
\$855⁰⁰



Your crew can do twice the
handling work for
the same payroll cost

... and to take the heavy work
and heavy costs out of
HORIZONTAL HANDLING

AMERICAN
LOAD-JOCKEY



... the new drive
attachment for
portable elevating trucks

MATERIALS-HANDLING DIVISION
The American Pulley Company
4200 Wissahickon Ave., Philadelphia 29, Pa.
AMERICAN SAFEWAY TRUCKS—
by the makers of the famous American Pressed-Steel
Hand Trucks



Circle 4 on Reader Service Card

Goes Any Direction

A fork lift truck travels in any direction, at any angle, with any shaped load. That's the Crab, with steering which allows moving in any direction. One control lever operates the steering and twin drive motors. The truck goes forward and



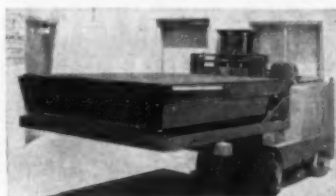
Circle 159 on Reader Service Card

reverse without using the steering wheel which is used for angle and side steering. The Crab, 65 inches over-all length, turns completely in 70 inches. It moves 5 mph light, 4 mph loaded. It lifts 32 fpm light, 22 fpm fully loaded. The reach-type fork attachment permits load swing 30° each side of center. A tilt device is optional, for cradling the load.

Automatic Transportation Co.

Dockboard Comes Assembled

For ease in handling, the Adjust-A-Lip dockboard arrives at your plant completely assembled and ready for installation. It's easy to install, needs only a



Circle 160 on Reader Service Card

shallow rectangular pit. Just place it in the pit and secure with 6 anchor bolts. No wires, hoses, or outside power sources needed. Hi-Lo dockboards come in a full range of sizes for every loading dock requirement. All come preassembled.

Kelley Co., Inc.

All-Steel Utility Truck

A light weight, all-steel welded construction utility truck has been specifically engineered by this company for easy-to-handle maneuverability. Called Mitey Handy, it incorporates a load easing stair climber onto an exceptionally light weight, sturdy one-piece frame. This permits holding or moving the utility truck with one hand, leaving the other hand free for opening doors, pushing elevator buttons, pulling door cords. Curved cross-bars facilitate easy handling of round as well as square objects. Its design-engineered upright position allows bringing the truck's nose plate extra close to the load. The solid nose plate is welded

(advertisement)

NEW PRODUCTS

**COMBINATION
STRAPPING UNIT**



Circle 21 on Reader Service Card

A money-saving strapping "package" including stretcher cutter and dispenser—at a low-cost package price, is now available. Write: Dept. 86, A. J. Gerrard, 1964 Hawthorne Ave., Melrose Park, Illinois.

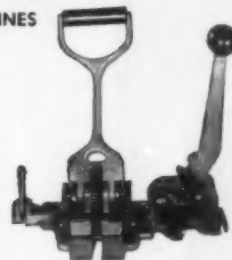
**STRETCHER
and SEALER**



Versatile stretcher for strapping boxes, cartons and bundling of compressible objects. Also, easy to operate sealer for use with 3/8" strapbinder seals. Write: Dept. 84, A. J. Gerrard, 1964 Hawthorne Ave., Melrose Park, Illinois.

Circle 22 on Reader Service Card

**OVAL STRAPPING
MACHINES**



Are available in several sizes and styles to meet practically every industrial requirement. Write: Dept. 93, A. J. Gerrard, 1964 Hawthorne Ave., Melrose Park, Illinois.

Circle 23 on Reader Service Card

**STRAP AND WIRE
CUTTER**



Dual purpose cutter—cuts oval strapping, up to 3/4" wide flat strap, as well as 14 gauge and finer round wire. A valuable tool that pays-for-itself in any receiving or shipping department. Write: Dept. 41, A. J. Gerrard, 1964 Hawthorne Ave., Melrose Park, Illinois.

Circle 24 on Reader Service Card



Self-Dumping Hoppers permit fast scrap handling

The scrap disposal job is no headache for the Goss Printing Press Co., Chicago. They discovered a way to convert an inefficient salvage operation into a fast, economical scrap disposal procedure. Forty-one Roura Self-Dumping Hoppers, mounted on casters, are located throughout their plant serving as scrap containers. When the scrap-laden Hoppers are ready to be emptied, they are easily

pushed into an aisle. A standard lift truck carries them to a waiting freight car. There, with a flip of a latch, each Hopper dumps itself . . . rights itself . . . locks itself . . . and is quickly returned to its station.

Versatile Roura Self-Dumping Hoppers are cutting costs throughout industry, handling hot or cold, wet or dry bulky materials.

ROURA
Self-Dumping
HOPPER



WANT MORE DETAILS? Attach this coupon to your letterhead and mail to

ROURA IRON WORKS, INC.
1408 Woodland Ave., Detroit, Michigan



MAGCOA

MAGNESIUM CO. OF AMERICA
Materials handling products in magnesium and aluminum. Dock-boards, hand trucks, platform trucks, yard ramps, cross-over bridges, skids, pallets, etc. For descriptive material write to Department 201
3801 N. W. 36th Ave., Miami, Fla.

Circle 49 on Reader Service Card

Ironbound "Short-Haul" Skids



Write for
Illustrated
Catalog

ROUND TO BE BETTER
Ironbound
MATERIALS HANDLING EQUIPMENT

IRONBOUND BOX & LUMBER COMPANY
10 HOFFMAN PLACE, HILLSIDE, N. J.

Circle 40 on Reader Service Card

WHAT'S NEW IN EQUIPMENT

to the back of the legs for extra strength. Truck is furnished with semi-pneumatic

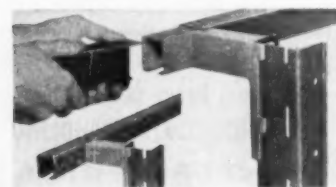


Circle 161 on Reader Service Card

wheels, available in 6, 8, and 10 inch. All models have a 46 inch handle length, 14 inch frame width, 8 inch nose plate.
The Fairbanks Company

Secures Pallet Rails

A quick connect T secures sections of pallet rails for drive-in and drive-through rack systems. No tools or fasteners are



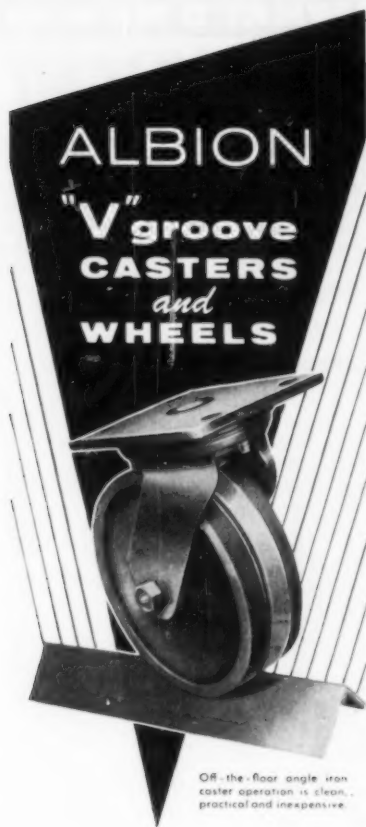
Circle 162 on Reader Service Card

needed. Integral with the section is the RidgUrak double hook bracket. Rail sections snap over with a snug fit.

Bernard Gloeckler North East Co.

Turn Radius Is 67"

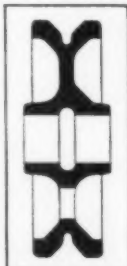
A 3,000-lb capacity lift truck is designed with great maneuverability. Outside turning radius of model FTB 30-24 is 67 inches. Center point steering allows the driver to turn in a minimum radius in either direction. An extra lift roller mounted mast provides maximum stacking height with minimum overall lowered height and greater free lift. The heavy-duty engine is available in gas or LPG models. There are two transmissions, standard 2-speed constant mesh or torque converter. Attachments include: cotton clamps, paper roll clamps, side shifters, or mechanical crane arms and rams. Optional



On the floor angle iron
caster operation is clean,
practical and inexpensive.

● Albion heavy duty V-groove casters offer greater utilization of floor space—easier, safer, more economical handling of heavy loads, protect flooring and speed production line operations.

Designed for use on inverted angle track—for any service requiring complete control of the truck or conveyor unit, Albion V-groove self-cleaning casters are also ideal for on-the-floor operation. And...only Albion offers a complete range of wheel sizes from 4", 5", 6", 8" and 10" diameters in full swivel or rigid models with a choice of wheel bearing types, capacities from 500 to 15,000 pounds and special features to suit your needs. Remember...specify Albion casters and wheels for guaranteed quality and economy.

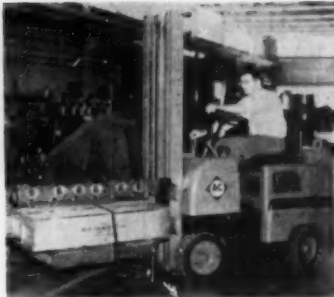


Typical cross section shows the broad V-groove and load equalizing relief groove.

Contact your nearest Albion representative or write direct



Circle 2 on Reader Service Card



Circle 163 on Reader Service Card

equipment: load back rests, overhead guards, water mufflers, and other safety equipment.

Allis-Chalmers

6 Sizes Of Tote Box

Self-stacking hopperfront tote boxes now come in six sizes, from 1 through 5 cu ft. The light, low-cost boxes are of



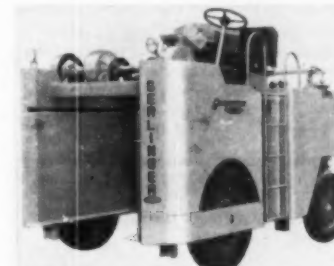
Circle 164 on Reader Service Card

heavy corrugated made more rigid by chemicals. Contents of the boxes can be reached without disturbing a stack. The boxes stack solidly because of sturdy front and back shoulders.

Convoy Inc.

Maneuverable Material Carrier

Compact Model 12-RH Material Carrier, manufactured by the Gerlinger Carrier Co., has 88-inch wheelbase and 146



Circle 165 on Reader Service Card

inch over-all length. This enables it to operate efficiently in restricted areas. Carrier has 117 inch-long rigid-type lifting



Eliminate hand pushing with inexpensive optional **POWER DRIVE**



Hartman METAL FABRICATORS
131 Murray Street, Rochester 6, N. Y.

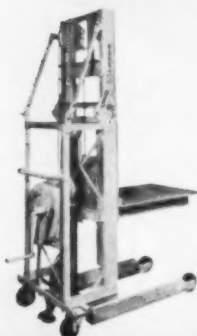
Name.....
Firm.....
Street.....
City..... State.....

Circle 38 on Reader Service Card

BARRETT SYSTEMS

Engineered to your job

TTR Sit-Down Rider fork lift for all types of industrial use. Short turning radius. Cap. 1000, 1500, 2 000 lb.



Hand and electric portable elevators to stack material "ceiling high"—save valuable floor space for productive operations.

HX Hand Pallet Truck, with advanced features. 2000-, 2500-, 3000-lb. cap.; other models in 4000- and 6000-lb. cap.



PXG Palletex, lift truck with power up and power down. Cap. to 6000 lb.

WRITE FOR DESCRIPTIVE LITERATURE

Whatever your materials handling requirements may be, Barrett can do the job efficiently, economically.

BARRETT

Materials handling engineers for half a century

BARRETT-CRAVENS COMPANY
642 Dundee Road, Northbrook, Illinois
Representatives in All Principal Cities
Canadian Licensee: S. A. Armstrong, Ltd.,
Toronto, Canada

Travelift VERTICAL LIFT CARRIER Solves heavy materials handling problems

- Self-Propelled
- Hydraulically Operated

Requires only one man to operate! Steering, lifting and propulsion of the Self-Propelled Travelift are by hydraulics. Turning radius of this free-traveling vertical lift carrier is short and maneuverability excellent.



TRAVELIFT'S CAN HANDLE

FREIGHT CONTAINERS
TRAILER BODIES
TANKS . . . PIPES
BOATS . . . WIRE CLOTH
OTHER HEAVY MATERIALS

Travelift offers 17 models with rated capacities up to 100,000 lbs., or can be custom built to your requirements. Available in self-propelled, tractor propelled and rail mounted equipment styles.

TRAVELIFT & ENGINEERING, INC.

Dept. MH,
Sturgeon Bay, Wisconsin

NAME
ADDRESS
CITY

Please send information on the
SELF-PROPELLED TRAVELIFT

STATE

Circle 72 on Reader Service Card

WHAT'S NEW IN EQUIPMENT

shoes. It provides 16 inch lift and 6-ton load-carrying capacity. Unit can pick up, transport, and deposit lumber and other loads measuring up to 4½ ft high and 42 inches wide. Driver has unobstructed view for added speed and safety.

Towmotor Corp.

Steel-Bound Freight Cart

A four-wheel Floor Master Model E freight cart has a removable and replaceable hardwood deck in two sizes: 32 x



Circle 166 on Reader Service Card

40 and 32 x 48 inches. The deck is completely steel-bound. Made of ¾ inch hardwood, it replaces by removing six screws. The cart comes in capacities to 2,000 lb, with 6- or 8-inch wheels of rubber or plastic. All have a blackboard, tubular bill holder and full-width push bar. Sealed roller bearings come with all 4 wheels.

Lewis-Shepard Products, Inc.

Boost Power Of Trucks

A new line of high-capacity storage batteries boosts the power of electrical industrial trucks. Four new models pack



Circle 167 on Reader Service Card

up to 45 percent more power per battery. They contain armored porous tubing which better diffuses the electrolyte and aids the passage of current. Advantages: (1) heavier workload handled per shift, (2) smaller physically sized battery needed, (3) less frequent charging needed, and (4) fewer battery types and greater

MATERIAL HANDLING ILLUSTRATED

FOR EVERY JOB REQUIREMENT

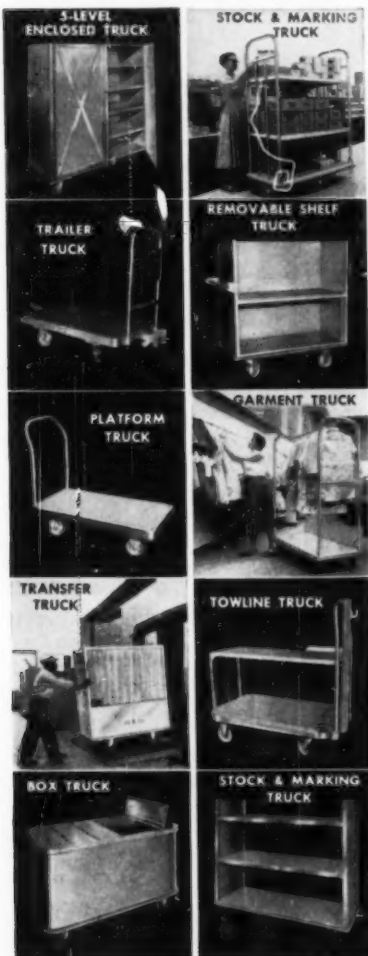
MAGLINER 4-WHEEL TRUCKS

• Magnesium • Aluminum

Lightweight!

Maneuverable!

Ruggedly Built!



WHICH OF THESE MAGLINER TRUCKS WILL SAVE YOU MONEY? Lightweight Magliners for heavyweight jobs—that's the trend! Plants . . . warehouses . . . stores . . . delivery work—whatever the application . . . costs go down with Magliners on the job! Check into the money-saving advantages of Magliner 4-Wheel Trucks for your operation . . . get a Magline quotation before you buy.

Write for illustrated bulletin on any of above models



MAGLINE INC. • P. O. Box 332 • Pinconning, Mich.
Canadian Factory: Magline of Canada, Ltd., Renfrew, Ontario

Circle 48 on Reader Service Card

interchangeability. Model RG (photo) is 20½" high with cover, developed for low-silhouette trucks. It replaces a battery 24½" high. Each positive plate of the RG is rated at 55 ampere-hours, compared with 50 ampere-hours for its predecessor.

Exide Industrial Division
The Electric Storage Battery Co.

Flat Bags Store Better

You can flatten bags as they come from the filling machine to insure firm, safe stacking and reduce the amount of space



Circle 168 on Reader Service Card

needed to store them. Model BB 12Ex8' Type 32 bag flattener flattens each bag safely by squeezing it between a sandwich of two belt conveyors. The top belt adjusts for varying size bags.

New London Engineering Co.

Plastic Switch Box

A Safe Pendent Switch, two-button model, comes in molded two-piece plastic. This is to keep it watertight and



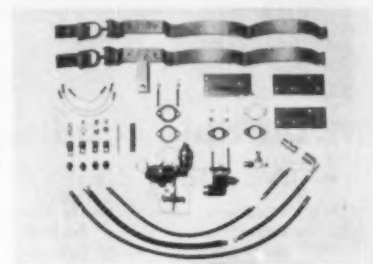
Circle 169 on Reader Service Card

electrically insulated. The switch keeps out water, dust, and grime, and is not affected by oil or acids. The switches, for circuits up to 460 v, 20 A, are of precision snap-action type. The manufacturer calls it virtually maintenance-free. There also are four- and six-station units.
Joy Manufacturing Co.

Retractable Dock Fits All Needs

Here's a powered dock leveler for almost all applications. Model 6030 reaches out and retracts 30", moves up or down 24". It comes prewired as a complete package. Capacity is 20,000 lb. When not in use it's flush for cross traffic, with

BEAM LP Gas CONVERSION SYSTEMS



**CLARK...
...TOWMOTOR
HYSTER...
...YALE & TOWNE**
and all others

Whatever the make and model, whatever the brand and size of engine — BEAM'S ready-to-install systems have everything you need to convert your fork lifts and tow trucks to clean-burning, inexpensive LP-Gas.

**First WITH THE
FINEST**

For over 20 years Beam has been "out-front" with the latest ideas in LP-Gas Carburetion Equipment. You'll find that Beam's line of carburetors, regulators, filters, and installation systems not only do the job better and faster, but they are also much more compact and easier to install.

CONVERT WITH BEAM

Write today for complete details, specifications and recommendations for your equipment.

There's a BEAM office near you

CALIFORNIA
3040 Rosslyn St., Los Angeles 65
NEW YORK
96-10 Linden Blvd., Ozone Park 16, Queens
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2500 N.E. 48th St., Pompano Beach
TENNESSEE
2020 Airways Blvd., Memphis 4
ILLINOIS
1414 S. Michigan Ave., Chicago 5

BEAM PRODUCTS MFG. CO.

3040 Rosslyn St., Dept. 60C-4
Los Angeles 65, California

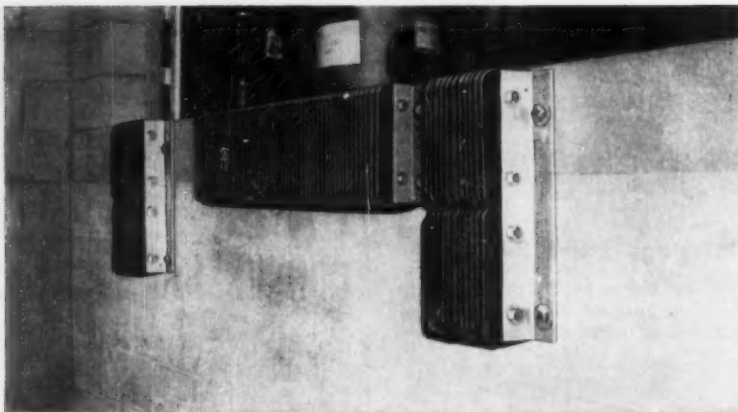
Please send me complete details for Beam conversion of _____ (equipment).

Name _____

Address _____

City _____ Zone _____ State _____

Circle 79 on Reader Service Card



Durable Loading Dock Bumpers give maintenance-free dock protection

Durable's new vertically mounted loading dock bumpers minimize "up and down" friction and strain when trucks are loading or unloading. Extra bumper depth prevents timbers being torn from docks as trucks rise during unloading.

Durable Vertical Dock Bumpers combined with horizontal bumpers will assure you minimum maintenance on your loading docks. All bumpers are guaranteed for five years.

Send for complete information.

DURABLE MAT COMPANY

75 N. Pleasant St., Norwalk, O. • 755 Kifer Rd., Santa Clara, Calif.



HOW TO STACK LIGHT LOADS HIGH WITH LIMITED FLOOR CAPACITY

USE

- Wood pallets for unit loads
- Battery electric lift truck with outriggers for lightness



Empty glassware cartons were stacked by hand on upper floors where "lift trucks were too heavy" for floor load. Now Walkie-Worklifter stacks loads three tiers to 15 foot ceiling, reduces man hours 66%. Price \$2100. No other truck saves space like a Worklifter.

ECONOMY Walkie-Worklifter

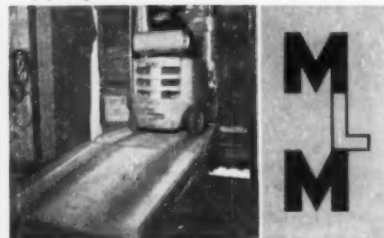
4504 West Lake Street, Elmhurst 8-9110
Chicago 24, Illinois

Circle 30 on Reader Service Card

Modern Light Metals Sure-Grip Ladd Drum Lifter



makes it practical to handle metal drums with a fork lift truck! Up to 2,000 lbs. capacity!



MLM Magnesium Dock Boards are Strong, Durable, Light

DOCK BOARDS • YARD RAMPS
LIGHT-WEIGHT DOLLIES • PALLET DOLLIES
SPECIAL EQUIPMENT

Write for details to:

MODERN LIGHT METALS, Inc.

Coloma, Michigan

Phone HOward 8-5041

Circle 52 on Reader Service Card

WHAT'S NEW IN EQUIPMENT

lip pulled in to avoid possible damage. Separate push buttons for up-down and in-out may be operated one at a time or together. Size: 6' x 8' retracted, 6' x 10 1/2' extended.

Hartman Metal Fabricators, Inc.

Boxes Fold Down

All-steel welded stacking boxes can be folded so that four fit the space of one



Circle 170 on Reader Service Card

unfolded. A keyhole locking device and hinges permit all four sides to fold down, without tools. Safety pockets on corner posts support stacking. The company makes a model with a half-door to remove parts without moving the stack.

Palmer-Shile Co.

Takes the Work Out of Strapping

Model RCNS pneumatic sealer has a pistol grip that makes it easy to seal 3/4" steel strapping with one hand. It weighs just 6 lbs. The operator simply sets the



Circle 171 on Reader Service Card

tool on the seal and pulls the trigger. Compressed air does the hard work—crimps every seal correctly, positively. For added speed and convenience, the new

pistol grip sealer and the PN air tensioner (shown behind sealer) form a steel strapping combination that gives tight, secure bundles every time, quickly and easily.

Signode Steel Strapping Co.

Turntable Easily Disassembled

This line of turntables features ease of assembly and disassembly on the job. It is designed for both permanent and tem-



Circle 172 on Reader Service Card

porary installations. The turntables are available in standard sizes up to 16 feet in diameter, having load-carrying capacities up to 3 tons. Installation or removal of 12 bolts completely assembles or disassembles the unit. A 2-man crew can completely install the largest standard unit in less than 1/2 hour.

Anchor Steel and Conveyor Co.

Stem-Type Truck Casters

For light-medium duty use, these casters are designated the K400 Series. For maximum swiveling ease, they have two



Circle 173 on Reader Service Card

full rows of hardened ball bearings in separate lubricated hardened raceways. Wheels are made in three diameters: 3 1/2, 4, and 5 inches. There's a choice of 5 different treads for any floor surface. Load capacities range from 175 to 280 lb per caster. The 2 1/2 inch-long stem is available in round and octagonal shapes for any standard tubular metal truck frame.

Faultless Caster Corp.

Air Hoist Takes 15 Tons

A line of air-operated, cable-type hoists

Circle 42 on Reader Service Card

HydroLetric the Modern Truck

... with the Greatest Flexibility to Application

MAKE A COMPARISON

3 GEAR RATIOS AVAILABLE without changes in Gear Centers

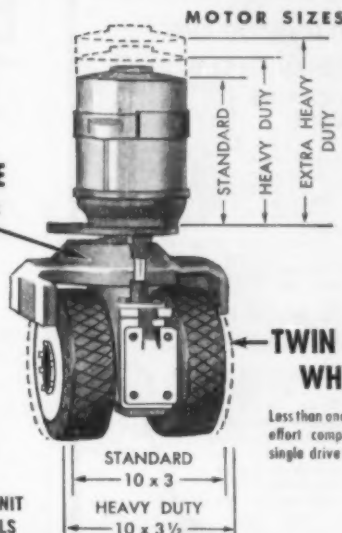


- ★ Instantaneously braking with the handle in any position.
- ★ Maintenance simple and infrequent — designed to make it easy to service brushes, contacts, tires — within minutes.

THE EXCLUSIVE DYNA-DUAL POWER UNIT IS INTERCHANGEABLE ON ALL MODELS

LIFT TRUCKS, INC.

CINCINNATI 14, OHIO



TWIN DRIVE WHEELS

Less than one half steering effort compared to wide, single drive wheel.

Multiple Service

VERSATILE General Utility Truck FOR

BAGS-KEGS DRUMS BOXES CRATES and COMPACT HEAVY OBJECTS

Ideal for truckers



Model 60-R All-Steel

STRONG • RUGGED

Heavy Bar Nose • 8" Long • 12" Wide 48-inch Handles

8x2.00 DICO Heavy Duty, Roller Bearing Wheels with Vulcanized-on Rubber Tires

600 lb. Cap. • Weighs 44 lbs.



WANTED!

Aggressive stocking distributors for the modern line of DICO Hand Trucks, Bagrel-Handling Equipment and Industrial Wheels.



223 S.W. 15th Street DES MOINES 5, IOWA

Circle 85 on Reader Service Card

HOW TO RAISE AND DUMP OPEN HEAD DRUMS

USE • Battery electric lift truck with worm gear drum tilter



This manufacturer of preserved fruit products pours selected quantities of syrup into mixing vats. In another operation, the Walkie-Worklifter transports filled drums, and dumps into hoppers 8' high. Price \$2860.

No other truck saves space like a Walkie-Worklifter.

ECONOMY Walkie-Worklifter

4504 West Lake Street, Elmhurst 8-9110 Chicago 24, Illinois

Circle 31 on Reader Service Card

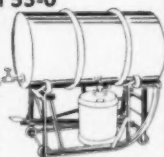
Circle 55 on Reader Service Card

NOW

...The Easiest One-Man Drum Moving Ever!

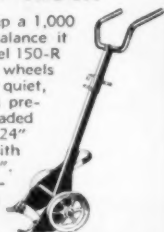
MORSE Model 55-0 DRUM CRADLE TRUCK

Low-cost and versatile, this cradle truck carries . . . rotates, manually . . . dispenses. Has side opening for drums with side drain cocks. Long wheelbase and retractable caster frame give exceptional stability under load. For 55 and 110 gal. drums. Circle this product for literature and prices.



MORSE Model 150-R DRUM HAND TRUCK

One man can pick up a 1,000 lb. load . . . and balance it with one finger. Model 150-R features rubber tired wheels with ball bearings for quiet, easy rolling. Permits precise positioning of loaded drums. For drums 24" to 45" high and with diameters from 15". Sturdy steel construction. Circle this product for literature and prices.



Clip this ad to your letterhead



MORSE
MANUFACTURING CO., INC.
739 West Manlius Street, East Syracuse, N. Y.

WHAT'S NEW IN EQUIPMENT

is found in capacities from 1 through 15 tons. These are designed for applications



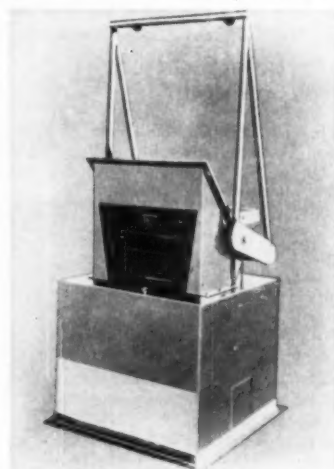
Circle 174 on Reader Service Card

where electric motors are not usable. Among the advantages: infinitely variable lifting speeds, one-hand pendant control cord, motor replacement virtually eliminated, and ability to service while suspended in air.

Shaw-Box Crane & Hoist Div.
Manning, Maxwell & Moore Inc.

Bin Tilt Of Aluminum

A wholly aluminum tilt now is a standard item. This stationary hopper Tote Tilt has a stainless steel screw flight. The



Circle 175 on Reader Service Card

dual metallic construction of the discharge mechanism and use of stainless steel protects against contamination. The tilt tips hermetically-sealed bins to 45°. With the air cylinder stationary hopper tilt, the discharge mechanism remains fixed and the bin automatically elevates into position against a gasketed dust-tight hopper.

Tote System Inc.

POINT-OF-USE STORAGE

Reduces Parts Loss and Damage



**SAVES
SPACE
and
TIME**

IN ASSEMBLY PLANTS AND JOB SHOPS low cost Stackbins in Stackracks provide flexible point-of-usage storage to cut costs and increase production.

AVAILABLE IN 8 SIZES, individual Stackbins in Stackracks make components of high usage accessible. Different size units can be interstacked to provide centralized control of related parts. STACKBIN POINT-OF-USAGE STORAGE is easily adapted to changing production requirements. Individual Stackbin in Stackrack units interlock: no tools, fasteners or set-up time required.

ALL STACKBIN PRODUCTS ARE SOLD DIRECT

WRITE FOR CATALOG 585A

STACKBIN CORP. 1303 Main St., Pawtucket, R. I.

Mfgd. and sold in Canada exclusively by Wickware-Stackbin, Ltd., Perth

STACKBIN



SYSTEM

"Stacked and

Still Accessible"

Circle 67 on Reader Service Card



**HAVE YOU CHECKED
THE READABILITY
OF YOUR SHIPMENT
ADDRESSING LATELY?**



COMPARISON OF READABILITY FROM A DISTANCE OF SIX FEET.

In this day of increased freight rates caused by freight claims due to lost shipments it's time to take a close look at your shipment addressing. Are you getting clear, readable, large letter results? If not you should be interested in better addressing through the use of machine cut stencils. Keep this in mind — regardless of how you apply your address — it must be read easily by freight handlers.

IT'S THE RESULT THAT COUNTS

For a peek into what improper marking is costing you send for this FREE booklet of facts today.

WRITE TO
DIAGRAPH-BRADLEY INDUSTRIES, INC.
P. O. BOX 269 HERRIN, ILL.

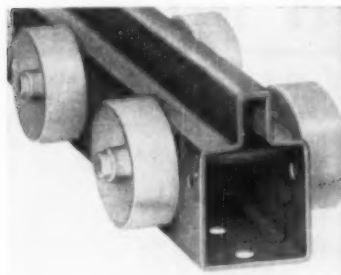


Circle 27 on Reader Service Card

MATERIAL HANDLING ILLUSTRATED

Wheel Goes With Rack

A plastic wheel has been designed to go with a special live storage rack. Load-bearing capacity is greater because of the



Circle 176 on Reader Service Card

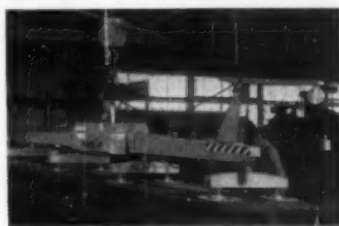
full $\frac{5}{8}$ " flat tread of the standard two-inch wheel. The plastic wheels also are light weight and resistant to corrosion. The bushing permits permanent placement into the axle notch.

M-H Standard Corporation

Grips Up To 2,000 Lb

A vacuum lift with multi-seal gripper gasket can pick up rough textures like concrete and diamond tread plate as well as smooth surface items such as polished stainless steel and glass. The Pressuregrip is used with an overhead crane or custom engineered for many automatic or semiautomatic operations. The basic com-

ponents are a powerful motor, pump unit, and the gripper. The grippers come in standard sizes up to 25 inches in diameter. Lifting capacities range up to 2,000 lb for each gripper. A safety reserve tank maintains enough vacuum to



Circle 177 on Reader Service Card

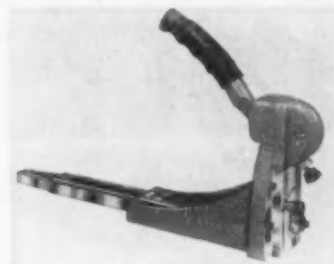
hold a load for hours after power has stopped. Under-the-hook Pressuregrip units come in a variety of sizes and capacities up to 20 tons. Custom feeding equipment allows the system to perform many types of repetitive transfer operations. Cycles of less than 2 seconds are on record.

Whiting Corporation

Small Stapler Packs Big Punch

The Hand Box portable carton stapling machine has features you usually get only in larger models. Penetration control is adjustable for full or blind penetration with 8 depth positions. A quick set knob lets you select loose or tight clinch

whether on A, B, or C flute corrugated. Free floating magazine can't jam, can be removed or replaced in seconds. All alu-



Circle 178 on Reader Service Card

minum chassis is light, long-lasting, trouble-free. No-slip handle is easy to operate.

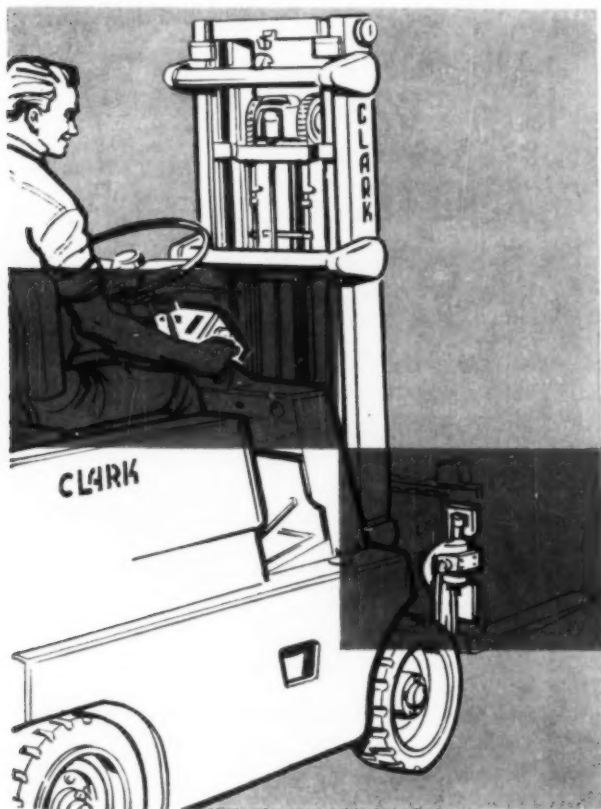
International Staple & Machine Co.

Conveyorized Assembly Table

This newly designed Beltable is available for the process industries. It consists of a flat belt conveyor with a table top



Circle 179 on Reader Service Card



Circle 77 on Reader Service Card

New Clark Fork Truck attachment gives . . .

Accurate weighing without floor scales!

Now you can accurately weigh material while it is being handled by your Clark fork lift trucks. You eliminate the need for expensive floor scales . . . are able to quickly weigh material at any location in your factory, warehouse or storage yard.

This new Weighing Attachment is guaranteed to be accurate to 2/10's of 1% of rated capacity.

It is fast and simple to use. The entire device consists of only two major components. There are no springs or moving parts. Special overload stops protect the device against vertical and horizontal shock loads. And most important: load positioning is not critical. The attachment will give accurate weight regardless of where the load is placed on the forks.

A new booklet gives full details. For your copy use the reader service card or the coupon below.

Without obligation, rush full details on your Weighing Attachment.

Name _____ Title _____
Company _____
Address _____
City _____ Zone _____ State _____

CLARK®
EQUIPMENT

ATTACHMENTS SECTION
Industrial Truck Division
CLARK EQUIPMENT COMPANY
Battle Creek 69, Michigan

35 new models!

EZ LIFT

This complete new line of Lift Trucks has simply "outdone" all competition. They are built the sturdiest and priced lowest!! Available in battery operated or hand operated models.


1500 lb. cap.

\$297.00

MODEL B

COMPLETE WITH HEAVY DUTY 12 VOLT BATTERY AND BUILT-IN CHARGER.

FREE—For complete new catalog and price list, WRITE DEPT. H



CROWN CONTROLS CO. INC.
Washington Street • New Bremen, Ohio

A BRAND NEW IDEA IN TOTE BOX

Tops In Economy for Material Handling!

POPS OPEN FOR IMMEDIATE USE! SHUTS FLAT FOR RE-USE!

MIRACLE TOTE BOX

Costs only a fraction of rigid totes. Here's double-utility value: for carrying parts and storage of inactive items. Will hold all the weight a man can carry. Double-walled corrugation construction provides exceptional stacking strength. Shipped flat and stored flat—take up minimum space. Find out for yourself how MIRACLE TOTES can benefit your plant and warehouse.

★ The PAIGE Company ★
114 EAST 32nd ST. NEW YORK 16, N. Y.

Send new Brochure on MIRACLE TOTE BOX

INDIVIDUAL _____ TITLE _____

FIRM _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____

WHAT'S NEW IN EQUIPMENT

on adjustable legs. According to the manufacturer, it can be adapted to practically any conveyor installation. The table top is adjustable transversely so that work can be performed on either or both sides. The unit is available in lengths up to 75 feet, with variable speeds from 5 to 120 feet a minute in a ratio of 3 to 1, or in several ranges of constant speed.

Standard Conveyor Co.

Plastic Tape Seals Pipe Joints

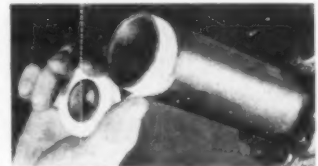
A plastic tape seals and permanently lubricates threaded and coupled pipe joints. Scotchrap Dry Thread Sealer No. 4212 applies in seconds. It conforms to all types of pipe threads and fittings, low or high pressure. Made with a fluoro-carbon resin, the tape withstands temperatures from liquid oxygen through superheated steam. Oil traces and other lubricants in the steam line will not affect it. The tape wraps and tears off easily. It comes in 1/2-inch width 260 or 520 inches long.

Minnesota Mining and Manufacturing Co.

Circle 180 on Reader Service Card

Receptacles Are Flame Retardant

For plants with fire hazard, you can get flame retardant receptacles. They're made of Pyronil, a hard, smooth, vulcanized



THE SENSATIONAL M-W COPPER-TONE

lightweight HAND TRUCK

- Three times the strength of steel!
- Comparable in weight to the lightest magnesium and aluminum trucks!



Utility Hand Trucks

A complete line. Copper-Tone or steel models available with single or double handles; open or closed plate; air, zero pressure or solid rubber tires; tubular stair climbers and many other features. Capacities up to 1500 lbs.

Copper-Tone Trucks have a lifetime copper finish—the best-looking trucks in the land.

Considering their lightness of weight and tremendous strength—Copper-Tone Trucks are the least expensive fine hand trucks on the market.

WRITE FOR OUR NEW COPPER-TONE BULLETIN

M-W



INCORPORATED

204 Jefferson St. • Washington, Mo.

MOELLENBROCK & WILKE, INCORPORATED

fiber, specially treated. Pyronil is widely used for electrical equipment. You can get Pyronil-made trays, pans, bins, boxes, floor trucks, baskets, and containers. They are light and strong.

National Vulcanized Fibre Co.

Circle 181 on Reader Service Card

Trays Are Smooth

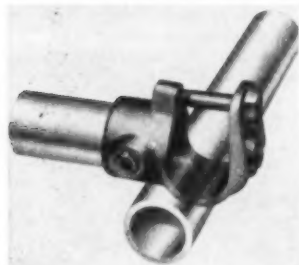


A line of nesting-stacking trays has nesting stops riveted to each end to keep them from wedging tightly when nested. The trays have smooth, rounded lines with no protrusions nor sharp points. Anchored to the nesting stops are metal stacking arms that swing over the tray tops. These trays weigh less than previous models and are smoother. They are made of vulcanized fibre, a chemically inert, odorfree, non-contaminating material.

National Vulcanized Fibre Co.

Circle 182 on Reader Service Card

Fitting Slips On Easily



You can add units built of pipe without dismantling existing structures. Use a Slip-on Fitting, Fitting No. 110 slips over pipe already in place. It locks with a nut and bolt as part of the assembly. The hub end of the fitting slips over the newly-added pipe and locks into rigid position by a set screw. The fitting can support a direct load up to 4,000 lb. The fitting is

for pipe sizes of $\frac{3}{4}$ " to $1\frac{1}{2}$ ". It is galvanized to match the other 57 fittings in the line.

Kee Klamps North America Ltd.

Circle 183 on Reader Service Card

1-Size Container



A low cost, high quality container has 4,000 lb capacity. Its low cost is credited to mass production, single-size model, and elimination of various optional features. But the Scotsman sacrifices nothing in material or construction, according to the manufacturer. It comes with

eight-way lift truck entry, safe stacking legs, and fold-down feature which saves 75 per cent of return shipping or storage space. Size is 40 x 48 x 24 inches.

Union Steel Products Co.

Circle 184 on Reader Service Card

Light Dolly Can Carry 300 Lb.



A $9\frac{1}{2}$ -lb dolly carries refuse cans, drums, kegs, cartons, boxes, and other containers. The manufacturer says it eliminates noise and wear on cans, containers, and floor. The welded, cross braced, steel frame has a smooth finish for safe

hand carrying. Four swivel casters, with two ball bearing rows

is space tagged "PREMIUM" in your factory?



Now you can narrow down space-robbing aisles to a mere 72 inches with the remarkable new Towmotor "Naro-Aisle-Stack" Series Fork Lift Truck pictured above.

Notice how this outrigger-equipped truck stacks materials—left or right—in narrow 6-foot aisles—while performing all other functions of a conventional fork lift truck.

Space-saving? Cost-cutting? Unquestionably! Because it lets you store and warehouse as much as 39.7% more in the same storage area you're now using—without costly expansion.

Write for information on the Towmotor "Naro-Aisle-Stack" truck, a brand-new idea in profitable material handling. Towmotor Corporation, Cleveland 10, Ohio.

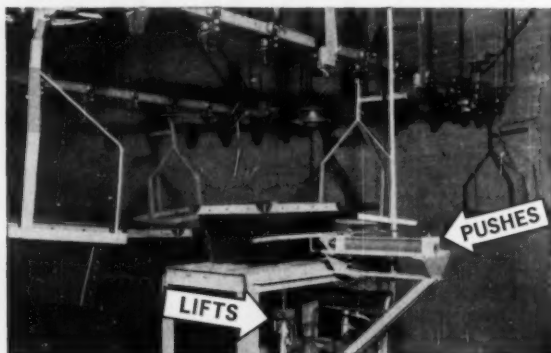


FORK LIFT TRUCKS, CARRIERS AND TRACTORS SINCE 1919
Gerlinger Carrier Co. is a subsidiary of Towmotor Corporation

Circle 71 on Reader Service Card

Circle 3 on Reader Service Card

AMERICAN "Cable-Way" AUTOMATIC DISCHARGE CONVEYOR



Order-filling at Burstein-Applebee Co., Kansas City, Mo., often requires parts from three departments. By setting a station selector on the carrier, tote boxes can be discharged automatically at any of the three departments, or can be cleared through to the shipping department where all tote boxes are automatically unloaded. Auto-discharge is performed by an air-operated roller conveyor section which lifts the tote box from the carrier, and an air-operated pusher which pushes the box onto a gravity roller conveyor. Limit switches, actuated by the station selectors on the carrier, operate the discharge mechanism.



**CONVEYOR DIVISION
THE AMERICAN MONORAIL CO.**

Fourth & Franklin Streets • Tipp City 18, Ohio

IDEA FOR LOW-COST PRODUCTION LINE

Build your own assembly lines with inexpensive angle-iron tracks and these novel Bassick grooved wheel casters. They give you easy flow of parts and finished products... better utilization of floor space... economical means of handling heavy loads... money-saving protection of floor surfaces. Equally useful in solving materials handling and product assembly problems. 8-page brochure gives the facts. THE BASSICK COMPANY, Bridgeport 5, Conn. In Canada: Belleville, Ont. 0.4



Circle 78 on Reader Service Card

WHAT'S NEW IN EQUIPMENT

each, are bolted to the frame. Dimensions: 5" high, 22 $\frac{3}{8}$ " overall diameter, 19 $\frac{5}{8}$ " inside diameter. Recommended capacity is 300 lb.

Nutting Truck and Caster Co.

Circle 185 on Reader Service Card

Pulley Covering Has Quick Adhesive

Roll and pulley covering is available in 96 foot rolls under the "Scotch-Lag" trademark. Made in 2 and 4 inch widths, the material has an adhesive backing which sticks at a touch. The pressure-sensitive adhesive is protected by a liner until ready for use. Most installations can be made on the job without removing the pulley or roll. Face of the material is composed of resilient particles which offer non-abrasive traction without damaging the belt. According to the manufacturer, it increases the life of rolls and pulleys and cuts maintenance costs.

Minnesota Mining and Manufacturing Co.

Circle 186 on Reader Service Card



Corrosion Resisting Belt

According to the manufacturer, this line of conveyor belts has high tensile strengths per inch of width and can withstand



SOME CONTAINERS MAY SAVE YOUR LIFE

**Lewis Containers
WILL save
your money**



Patented
2,823,828
2,823,829

The LEWIS Stack-n-Nest® is the container you can best afford to buy. No other unit will give you more for your dollar... through superior design... rugged construction... and versatile, efficient handling. Every container is handled thousands of times in its lifetime. Based on only 2000 handlings, if Stack-n-Nest Pans can save 10 seconds each time, it amounts to better than 5½ man hours. Translated into dollars and cents, the saving is greater than the initial cost of the average size pan.

Write for complete information.

G. B.

Lewis COMPANY

702 MONTGOMERY STREET • WATERTOWN, WIS.

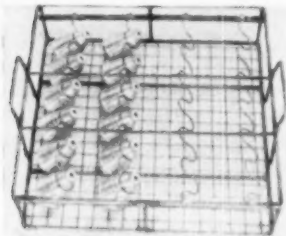
Circle 41 on Reader Service Card

corrosion, abrasion, and shock. The belts are based on a pitch line weave of nylon yarns, interwoven with other abrasion-resistant yarns. These form a hollow structure into which new plastics are poured. It is said that these plastics do not burn, do not promote static, resist acids, alkalis, and abrasion, and can be flexed without damage.

Russell Manufacturing Co.

Circle 187 on Reader Service Card

Rack Fittings Protect Units



A variety of different-sized racks are specially fitted to protect close tolerance, thin-walled small metal units during degreasing and work transfer. Wire holders fit inside the racks. The holders secure the products from touching each other or any part of the basket. The holders are specially made for your product and are replaceable. The racks are 16 x 16 x 3 1/2 inches, with carrying handles and a mesh floor. The racks will stack.

Wiretex Manufacturing Co.

Circle 188 on Reader Service Card

Belts Are Varied



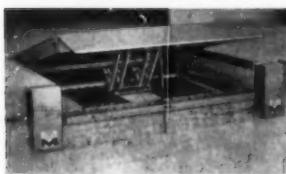
A new series of belt conveyors, equipped with non-slip belting, are used for inter-floor movement of goods and as a booster in a gravity line. Belt widths range from 12 to 24 inches. The conveyor comes in 2 1/2-foot increments, but a 5-foot center conveyor is basic. Either slider or roller bed may be

selected. Components include chain drive for 50 fpm, safety release roller, straight or noseover delivery, box frame intermediate sections, gravity wheel or power feeder, adjustable floor stands, truss rail for long span, adjustable continuous guard rail, and connection for wheel or roller sections.

E. W. Buschman Co.

Circle 189 on Reader Service Card

Dock Leveling the Modern Way



The Auto-Mechanical Dock Board is free-floating, automatic, and has a hinged lip. No need for manual lip operation. Just clamp this dock leveler into a 12" pit and it's ready to use. When the truck is in position your dock personnel release the board. It adjusts itself to the proper level to rest on the truck bed. When the truck pulls out a worker need only step on the leveler to return it to dock position.

Auto-Mechanical Dock Board, Inc.

Circle 190 on Reader Service Card

Assembly Bin For Small Parts

A molded plastic assembly bin is made of light, easy to handle, high impact plastic. It provides great speed and convenience in small parts assembly. Advantages: no magnetic interference, good thermal insulation, high abrasion resistance, no corrosion of paint, no refinishing required. It's ideal for electrical product makers. Bins may be stacked, tapered fronts providing semicircular arrangement. Sloping bottoms provide natural flow forward.

Stackbin Corp.

Circle 191 on Reader Service Card



with C & D Slyver-Clad® batteries!

You can make your electric trucks more efficient than ever by equipping them with an advanced design power-package—C & D Slyver-Clad® battery with Hi-Impac covers and containers.

The premium C & D Slyver-Clad® batteries have the longest, thickest plates in the industry—that means *extra* capacity. They have *five* layers of insulation and retention that almost end shedding and thus provide extra-life at *full* capacity. And, the Hi-Impac cell containers and covers, a C & D exclusive feature, are practically unbreakable.

Trucks equipped with C & D Slyver-Clad® batteries with Hi-Impac work longer between charges, live longer and resist physical damage. Get the full story on C & D—your better battery buy. Write for Bulletin IT-530.



Manufacturers of Slyver-Clad® Industrial Batteries

PlastiCell® and PlastiCal® Batteries for Communications, Control, and Auxiliary Power

Producers of AutoReg® Silicon Chargers and AutoCal® Charger-Battery Combinations

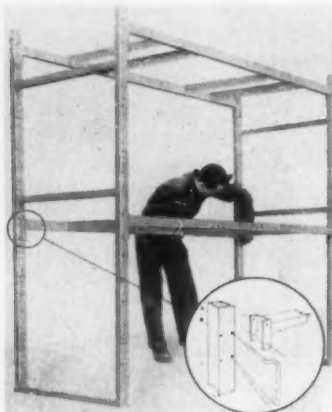
*Trademark

Circle 9 on Reader Service Card

WHAT'S NEW IN EQUIPMENT

Racks Of Rail Steel

A new line of strong storage racks was developed by standardizing from



Circle 192 on Reader Service Card

many made-to-order racks. These racks of high carbon rail steel hold pallets, skids, dies, drums, bars, and bulk materials. The racks use dual-angle con-

struction with a positive locking feature for easy erection and simple adjustment. There is a full line of standard sizes or they can be made to the user's specifications.

Met-Fab Inc.

Tear Tape Added

Jiffy padded shipping bags now come with a tear tape for easier opening, as well as many other important changes.



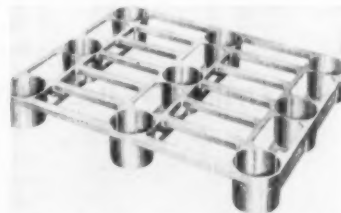
Circle 193 on Reader Service Card

The outer liner, formerly brown kraft, is now made of golden 70# extensible kraft. The seam is moved from the center to the side—more room for printing on the back as well as the front. A waterproof adhesive increases versatility. Available as the old stock is exhausted, these bags will be the same price as the old ones.

Jiffy Mfg. Co.

Pallet Light, Strong

A light pallet, made of magnesium or aluminum, handles increased loads and provides handling ease. It eliminates fast-



Circle 194 on Reader Service Card

eners and high mortality materials. This pallet features reduced load damage, four-way entry, ease of storage, and safety.

Mag-Craft Corp.

Make Your Own V-Belts

Using a display with rolls of v-belt-ing, Alligator v-belt fasteners, and appli-



Circle 195 on Reader Service Card

**SPEED-UP YOUR
LABEL PASTING**
more than **50%**

POTDEVIN Semi-Automatic Feed Label Paster

Instant adjustment for labels up to 7½" wide. Operator's hands always free. Speeds-up production with minimum effort. Write for literature.



POTDEVIN MACHINE CO.

266 North Street • Teterboro, N. J.

Designers and manufacturers of equipment for Bag Making, Printing, Coating, Laminating, Gluing and Labeling

Circle 60 on Reader Service Card

WEIGH IT with the as you lift it! **MARTIN DECKER LIFT TRUCK WEIGHT INDICATOR**



Here's the accurate, convenient, safe, low-cost way to prevent overloads—totalize truck and car loading...take weight inventories. Martin-Decker Corporation, 3431 Cherry Avenue, Long Beach 7, Calif. Write for bulletin V-29.



**MARTIN
DECKER**

Industrial Weighing,
Load Measurement and
Recording Instruments

Circle 50 on Reader Service Card

cation tools, an industrial user can make his own v-belts in any size. By using open end v-belt and Alligator fasteners the user can speed up replacement and keep his machines running. Also, says the manufacturer, the machines do not have to be dismantled; the user merely threads the v-belt around the pulleys and connects the fastener.

Flexible Steel Lacing Co.

Speeds Hopper Car Unloading



The Mulkey Car-Unloader unloads sand, gravel, or other bulk materials from hopper cars quickly, efficiently, and cheaply. You can unload a standard hopper car and stockpile its cargo in 1½ to 2 hours. The machine is portable, on rubber tires for easy moving from car to car. It's equipped with a trailer hitch for towing.

It's powered by a small gasoline engine. It's designed so that the flow rate is the same as the Mulkey portable belt conveyor. Used together, these two units can unload into trucks or stockpiles as much as 50 feet away.

Sam Mulkey Co.

Circle 196 on Reader Service Card

Need a Magnetic Conveyor

Magnabelt is a line of magnetic conveyors for handling ferrous parts through steep inclines. This portable conveyor saves space by rolling into place where needed, as it magnetically moves nails, bolts, and other ferrous parts up inclines as high as 90 degrees. Containers can be placed under the gooseneck discharge from the front or either side without interfering with the conveyor support.

M-H Standard Corp.

Circle 197 on Reader Service Card

CUT HANDLING COSTS with **HYTROL** Conveyors



- * **RUGGED**
- * **COMPACT**
- * **VERSATILE**
- * **JOB-ENGINEERED**

- Horizontal and Inclined Models
- All-aluminum and All-steel Models
- Portable and Folding Models, Built-in Models
- Table-Top Models for Assembly Operations
- Powered, Reversible, Hydraulic Elevating
- Complete Optional Equipment and Attachments

Let us help you choose the conveyor or conveying system that fits your needs. Engineering assistance at no obligation. Write for catalog.

HYTROL

Conveyor Co.

1963 S. 54th STREET • MILWAUKEE 14, WIS.

Circle 86 on Reader Service Card

Circle 44 on Reader Service Card

Power Truck **MOBILITY**



... at a Fraction
of the
Cost!

MAGLINER MAGNESIUM PALLET DOLLIES free-up your power equipment for the big jobs and longer hauls. Put a Magliner under every pallet load and its ready to roll... quickly, easily, economically. A small investment that pays big dividends, Magliners are the practical solution to loading bottlenecks... high loading costs. Made of magnesium, Magliner pallet dollies are easily handled by one man... carry loads up to 4,000 lbs., safely, smoothly on large 3¼" rollers.

Tough, rugged, welded magnesium construction. Dependable, long-life service! 14 standard models and sizes.



Put it on
a Magliner
and Keep it
Mobile

Write for Bulletin P8-1

Magline Inc. • P.O. Box 392 • Pinconning, Mich.

Canadian Factory—Magline of Canada Ltd., Renfrew, Ont.

DO YOU ... Build or Buy Material Storage Racks?

speedrack®

EVERY JOINT LOCKED

COMPARE

First Cost
Often less for a fully assembled, SPEEDRACK. You don't cut, bend, bolt, drill or weld.

Re-useability
Assemble and re-assemble SPEEDRACK to make storage facilities that fit changing inventory requirements.

Performance
More storage in the same space... incoming materials, work in process, finished goods, tools and dies. Write for complete information.

Write for New Catalog

ADJUSTABLE STORAGE RACK

STORAGE PRODUCTS CORPORATION

4416 Oakton St.
Skokie, Illinois

Prefabricated... Assemble Without Tools

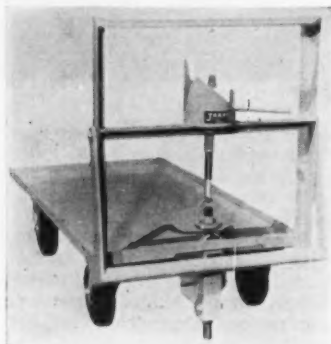
speedrack SAVES SPACE

Circle 90 on Reader Service Card

WHAT'S NEW IN EQUIPMENT

Dragline Truck With Safety Release

The Model TT-18 conveyor truck with an automatic safety bumper release is available in capacities from 1,500 to 3,000 lb. And in all standard platform sizes.



Circle 198 on Reader Service Card

The automatic bumper release is a safety feature required in many plants that have long in-floor conveyor lines. Any time

an object is struck by the full width bumper on the truck, the conveyor pin is released, thereby preventing personnel injuries and damage to merchandise or equipment.

Jakes Foundry Co.

Extend With Catwalk

Inexpensive non-skid steel catwalks permit extension of shelving as high as the ceiling permits. The catwalks come with



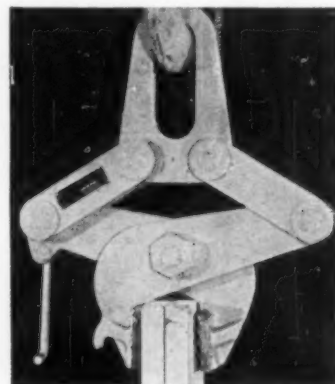
Circle 199 on Reader Service Card

stairs. This floor grating system is shown in the photo with catwalk at 7 feet and total height of 14 feet. The floor grating can be used for a second or mezzanine floor even where there is no shelving. Modular design allows custom fitting with mass produced components, all of which are interchangeable.

Equipto Co

Tongs for Handling Wood

Non-automatic tongs for pulling wood sheet piling and lagging have five teeth that bite into the wood. Jaws are shaped



Circle 220 on Reader Service Card

to get the most surface against the pile. The tongs have a 10,000 pound capacity and a jaw opening of three inches. A link at one side holds the jaws open when the tongs are lowered over a load. When the line is slackened, the link drops out; the jaws close on the piling firmly.

Heppenstall Co

Cleats for Belts

Rubber conveyor cleats may be installed with belt punch and screwdriver.



LPG-ELECTRIC!

NEW BANTAM MODEL W12 POWER UNIT FOR ELECTRIC POWERIZED HAND TRUCKS

Ready-Power combines full electric power with no fatigue AND the economy and low maintenance of LP-gas in one compact new power unit. Installation is easy on any make of motorized electric hand truck with adequate sized power compartment. Unit accommodates an interchangeable 20-pound fuel cylinder, includes a quick-disconnect fuel line coupling for safety, has removable end, side and cover plates for easy accessibility. LP-gas components are listed by Underwriters' Laboratories and comply with Factory Mutual recommendations. Write for information.

READY-POWER

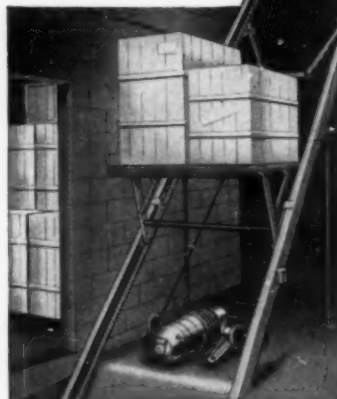
The READY-POWER Co., 3844 GRAND RIVER AVE., DETROIT 8, MICH.

Manufacturers of Gas and Diesel Engine-Driven Generators and Air Conditioning Units; Gas and Diesel-Electric Power Units for Industrial Trucks

Circle 62 on Reader Service Card

New MOTO FLOW FREIGHT CONVEYOR

- INCREASES USEABLE FLOOR SPACE
- EASILY MOVES 2000 LBS.
- HANDLES ASSORTED AND PALLETIZED LOADS
- INSTALL AT ANY ANGLE
- SAVES HOURS OF LABOR



Your profits go up... handling costs down with Moto Flow, a fast, efficient, and safe system for floor-to-floor material handling both inside and outdoors.

Easily turns a limited use upper floor or basement into a productive, fully useful area. Send for complete details today.



M-B CORPORATION
New Holstein, Wisconsin
QUALITY EQUIPMENT SINCE 1907

Circle 43 on Reader Service Card

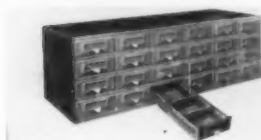
MATERIAL HANDLING ILLUSTRATED

"Bolta-Flite" cleats bolt to fabric, woven metal or chain belting of any width. They come in rubber or neoprene in heights up to four inches.

Holz Rubber Co.

Circle 221 on Reader Service Card

Store Small Parts Handily



Special cabinets are designed to store small parts, items that ordinarily take hundreds of man hours to find over a year. Standard models have 18 or 24 drawers each. And the drawers can be subdivided into smaller compartments by adjustable cross dividers. The cabinets are 34" wide, 11" high, and either 11" or 17" deep. They are all steel with green baked enamel finish.

Bay Products

Circle 222 on Reader Service Card

Conveys through Assembly



The Table-Cable conveyor will handle a variety of products through assembly at work-table heights. Four-wheel carriers run on angle tracks, carrying light to medium weight loads on pallets or fixtures. The Table-Cable is the manufacturer's cable

conveyor run upside-down, using the same components. The conveyor is composed of free-running 4-wheel trolleys bolted

Circle 45 on Reader Service Card



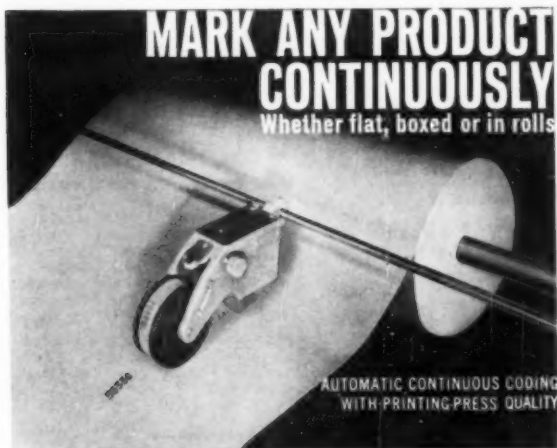
MAGLINER MOBILE LOADING RAMPS go where you go... provide a loading dock *where* you need it, *when* you need it! Magnesium-light construction for easy one man handling—anytime, anyplace. The result: easier work, happier men... *lower cost loading!* If you load or unload trucks or railcars from ground level, you'll want a copy of Magline's Bulletin —"Everyday Ground-Level Loading Problems and How to Solve Them."

WRITE TODAY FOR BULLETIN DB-211

Magline Inc., P. O. Box 182, Pinconning, Michigan



MAGLINER MOBILE LOADING RAMPS



ALGENE CONTINUOUS CODER

Just set it and let it run — continuous or intermittent, coding on cloth, kraft, corrugated, metal, paper, glass, plastics, cellophane, waxed surfaces — top, bottom or sides. Positive friction drive, long-run ink fountain, adjustable spring tension for clear impressions. Printing area 3/4"x12" and up; Interchangeable rubber type or strips for quick changes. Ink for all surfaces supplied.

Write for free literature, specifications, low prices:

ALGENE MARKING EQUIPMENT COMPANY

Manufacturers of marking machines and corrugated printing presses.
232 PALISADE AVENUE ■ GARFIELD, NEW JERSEY ■ DEPT. MH

Circle 81 on Reader Service Card



NEW Disowheel® "press-ons" wear longer under tougher conditions

When you put on tough, wear-resistant Disogrin "press-ons" you stretch a few months service into a year or more. And the tougher the floor conditions, the greater advantage of Disogrin wheels. Because of their superior resiliency, Disogrin "press-ons" give a smoother ride for operator, truck and load. A ride that means less operator fatigue, fewer breakdowns, less load damage. Available in all sizes up to 22". Write today — we'll send you a practical wheel analysis chart and complete information on DISOWHEEL.



ISOGRIN INDUSTRIES

510 SOUTH FULTON AVENUE • MOUNT VERNON, NEW YORK
Offices and distributors in principal cities

Circle 28 on Reader Service Card

WHAT'S NEW IN EQUIPMENT

to Bush-Lock cable with standard blocks for low-friction operation on the angle tracks. The pallets or fixtures are then secured to the trolleys as required. Various turns are available in the selection of components. By the use of inclines and hold-down angles with the Bush-Lock cable design, loads can be carried to various table elevations.

E. W. Buschman Co.

Circle 223 on Reader Service Card

One Man Scoop Truck

The Climax scoop truck #674-0 is ideal for handling bulky merchandise in fac-



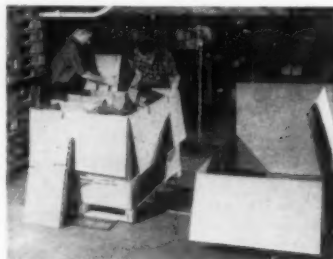
Circle 224 on Reader Service Card

tories and storage plants. It has two 5 x 1½ inch wheels centered under it for easy moving. Capacity is about 3 bushel. Available with Mold-on rubber, solid rubber, or steel wheels. Truck also facilitates handling of grain, sand, fruits, and vegetables.

Lansing Co.

Corrugated Boxes for Heavy Machinery

Specially designed corrugated boxes can hold heavy machinery like gasoline engines (shown here) and are strong



Circle 225 on Reader Service Card

enough for four-tier stacking. Each tier consists of a regular slotted container holding eight engines kept in place by die-cut pads with contour cutouts. Users find packages of this kind cost less and are easier to handle and store than older ones of other materials.

Gaylord Container Corp.

One-Piece Housing

A Series S line of electric hoists features one-piece gear housing and frame of heavy steel. This is designed to stop misalignment and oil leakage. The hoists



Circle 226 on Reader Service Card

range from 500 to 12,000 lb capacities. Any motor with integral disc brake can be used with the hoists. The mechanical load brake sets automatically the instant the hoist motor stops. The load lowers only by reversing the motor.

The Euclid Crane & Hoist Co.

Powered Wheelbarrow

A powered wheelbarrow features a combination transmission, differential, and drive axle assembly in one housing, lubricated from one oil reservoir. The trans-

Whatever
the load...
use

ELECTROLIFT WORM-DRIVE HOISTS

- Simple to operate—one man control, push-button or rope
- Built to last—with minimum maintenance and automatic lubrication
- Safe—alloy steel worm-drive brake holds loads securely
- Compact—no overhung gears...allow close headroom
- Clean and quiet—working parts are fully enclosed

Electrolift worm-drive hoists give you smooth, fast control over loads of from ¼ to 10 tons. For details on speeds and models, consult your Electrolift representative, listed in the classified directory.



204 Sargeant Avenue

Clifton, N. J.

Circle 32 on Reader Service Card

You can
**BUILD
CHANGE
EXPAND
MOVE**
your storage racks

with only a
**HEX KEY,
HACKSAW
and
RACKMASTER®
FITTINGS**



RACKMASTER FITTINGS cut rack-building time as much as 60% by eliminating threading and welding. They cut other rack-building costs, too—

- pipe is 100% salvageable
- pipe-cutting is reduced to a minimum
- regular warehouse crews can build racks
- slip-on feature simplifies design and construction

RACKMASTER is stocked by leading distributors. Write for details on Rackmaster and multi-purpose NU-RAIL Fittings Bulletin M-30

THE HOLLANDER MANUFACTURING CO., 3841 Spring Grove Ave., CINCINNATI 23, O.



Circle 39 on Reader Service Card

MATERIAL HANDLING ILLUSTRATED

Circle 65 on Reader Service Card



ROWE — Adjust-A-Dock



ROWE — Adjust-A-Truck



ROWE Double leaf crossover bridge

Select the Best... from ROWE's complete line of

- Dock and truck leveling devices
- Crossover bridges

Over 80 standard electro-hydraulic and air-oil powered dock level devices with 10,000 or 20,000 lbs. capacities and 6 mechanical, truck actuated units with 20,000 lbs. capacity are now available.

Electro-hydraulic truck levelers installed where space is limited, available in 40,000 lb. capacity. Crossover bascule type bridge electro-hydraulic operated in either double or single leaf units. Capacities to customers specifications.

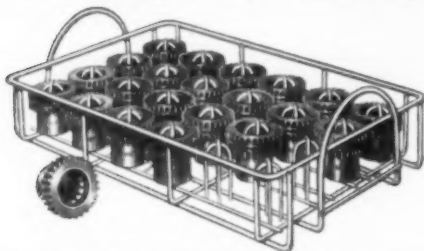
ROWE METHODS, inc.

WRITE FOR DETAILED LITERATURE

2534-T DETROIT AVE.

CLEVELAND 13, OHIO

EEZY-STAK BASKETS for Better Parts Handling

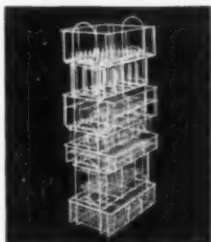


EEZY-STAK BASKETS SIMPLIFY PARTS HANDLING...CUT COSTS...REDUCE REJECTS!

WIPCO manufactures a complete line of Custom-Designed stacking (Eezy-Stak) and non-stacking baskets for handling all types of parts through every production and assembly process. WIPCO baskets can be made in any desired size or shape, and from any practical material.

Eezy-Stak baskets feature the exclusive Interlock Handle® which permits easy and safe stacking. Eezy-Staks are available in a wide range of standard sizes and metals which fit most parts-handling requirements. Write today for Bulletin B-54.

*Pat. No. 2646186



WIPCO BASKETS...FROM INITIAL MACHINING TO FINAL ASSEMBLY AND SHIPPING

WIRE AND IRON PRODUCTS INC.

1720 SIXTEENTH ST. • DETROIT 16, MICHIGAN

Circle 74 on Reader Service Card

FEBRUARY 1960

Circle 46 on Reader Service Card

This Baby's My Right Arm!



...it's a MAGLINER!

What's a Magliner got that workers want? Lighter lifting, easier handling, easier wheeling! Three big features that add up to *more loads moved at lower cost*. Facts prove it! Tough too! Magliners are built to take rough usage under any conditions—on trucks, or loading docks, in the plant or warehouse. Are you using light, strong Magliner Magnesium Hand Trucks in your operation?

WRITE FOR BULLETIN HT-101.

MAGLINE INC., P. O. BOX 262
PINCONNING, MICHIGAN

Canadian Factory: Magline of Canada, Ltd., Burlington, Ontario

Magliner
MAGNESIUM
HAND TRUCKS

HOW TO CUT COSTS with CABLE CONVEYORS

new bulletin 40A tells how...

OVERHEAD TROLLEY

BULLETIN 40A

GET YOUR COPY TODAY!

Learn how you can save valuable floor space...cut maintenance costs...by using BUSH-LOCK Overhead Trolley Cable Conveyor Stock Components arranged to your exact requirements. Write for the new Bulletin 40A today!

Every Way Better

THE E. W. BUSCHMAN CO.

4552 Clifton Avenue Cincinnati 32, Ohio

E W B

CONVEYORS FOR EVERY INDUSTRY

Circle 7 on Reader Service Card

WHAT'S NEW IN EQUIPMENT

mission is full torque shifting. The wheelbarrow has three-quarter ton capacity in a



Circle 227 on Reader Service Card

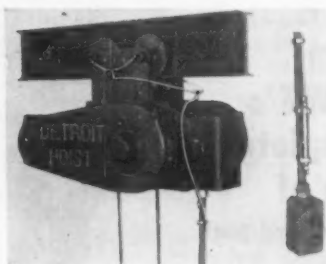
10 cubic foot bucket. A flatbed platform can replace the bucket. The barrow is powered by a 7 hp air-cooled engine. The fully loaded unit takes a 20 percent incline.

The Prime-Mover Co.

Lubricate From Floor

You can lubricate an overhead hoist from the floor by using Safe-Lub. It carries lubricant from a fitting on the pendant control, through flexible nylon tubing, directly to trolley wheel bearings on

the hoist. The system can be installed on any type of overhead hoist in min-



Circle 228 on Reader Service Card

utes. It eliminates dangerous ladder climbing and reduces time required for lubrication. In fact, one man can do the job while the hoist is operating.

Detroit Hoist and Machine Co.

Hardwood On Bottom

A conveyor type tote box comes with hardwood on the bottom for all types of conveyor systems. The hardwood is in 3-inch runners or a solid board securely riveted to the box bottom. These hard vulcanized fiber boxes have a reinforced, rustproof top channel, top and bottom corners, two metal reinforced hand holes, and four nesting stops to prevent jamming. The boxes can be finished in any outside color and can be numbered on all sides.

Federal Fibre Corp.

Circle 229 on Reader Service Card

EQUIPMENT IN ACTION



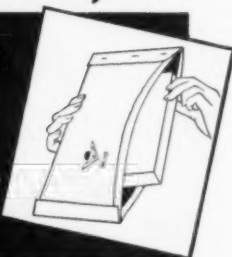
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AUTOMATIC tongs, suspended from an overhead conveyor, carry axles quickly and safely for the Illinois Central RR. The 90-lb tongs, made by the Heppenstall Co., lift axles weighing 1,200 lb. The jaws automatically lock around the axle when raised. They cannot release in the air. When the load sets down, the jaws unlatch as the wire rope slackens.

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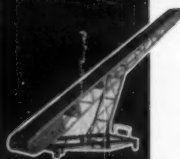
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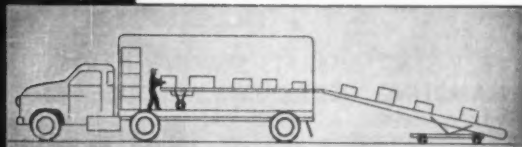
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A NEW WAY TO CUT COSTS AND STREAMLINE TRUCK LOADING OPERATIONS



Use power conveyors, gravity conveyors, lift trucks or pallets at receiving end for a loading capacity of 1,000 to 1,500 pounds per minute.

IT WORKS LIKE THIS:



Mount an Elton aluminum conveyor on rubber wheels with other end attached to a B-series power lift conveyor. As semi is filled, truck is pulled ahead or conveyors rolled back. **THIS IS THE LOW COST ANSWER TO LOADING AND UNLOADING** at greater speed. Cuts manpower—will soon pay for itself in time saved, and in addition, standardized conveyors are used; no high priced special equipment.

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Send for catalog and complete information on all the money saving products in the Elton line.

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MATERIAL HANDLING ILLUSTRATED

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Now you can have quality at the lowest price of any hand operated, full hydraulic, fork-type Pallet Truck on the market. Designed to answer the majority of Pallet transportation problems, the 2,400 and 4,400 pound capacity Pallet Trucks are quality manufactured, extra-sturdy, yet light weight.

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4 reasons why you should use Equipto Angle...

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Combinations of Equipto Angle can be used to insure proper structural strength to support any weight. (Photo shows demonstration of strength, not a product application)



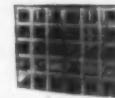
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Equipto Angle is marked every 3" for accurate cutting. One stroke cutter positions and cuts angle to correct length.



3. SIMPLE —

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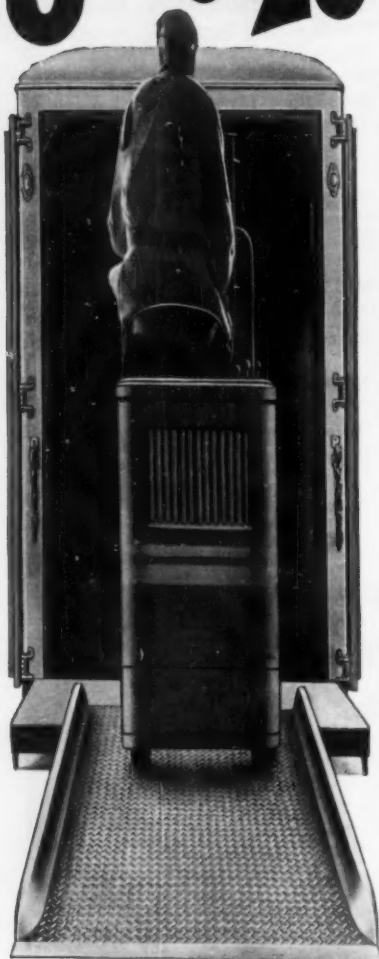
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Squeeze

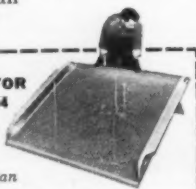


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PHOTO FEATURE



Circle 127 on Reader Service Card

WOOD PALLETS stack easily because of lightweight and they take minimum space. A Sears store palletizes over 90%, is aiming at 100%.

Sears, Roebuck Store Finds

Pallets Eliminate A Warehouse



Circle 128 on Reader Service Card

PALLET stability permits storage of bulky or fragile items above rack to utilize the waste space.



Circle 129 on Reader Service Card

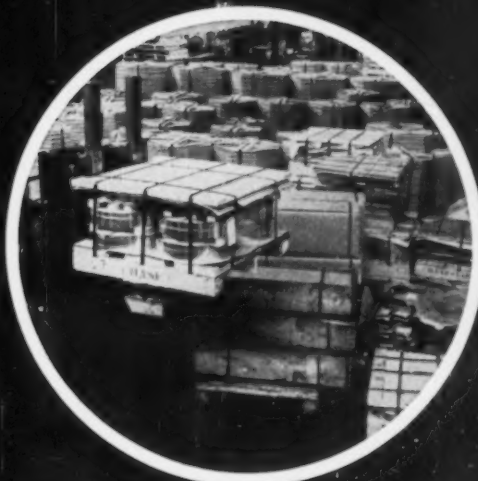
THEY PLANNED the El Monte, Calif., store for Sears, Roebuck & Co. with the reserve stockroom and warehouse in the basement. This got rid of an outside warehouse and shuttle truck that ran between warehouse and store.

They did it by palletizing. They found a pallet system protects goods better. There's less denting, scratching, and breaking. Goods now stack higher because the pallets are so stable. The pallets also are light, nearly free of splinters, and they store easily. In the first year, not one pallet needed wear-and-tear repair. ♦♦

THE SYSTEM begins at delivery. Here a worker makes a pallet load (with dolly) right inside.



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A wide range of product and package types, sizes, shapes and weights makes *packaging flexibility* mandatory. Chase Brass & Copper Co. achieves this *packaging flexibility* by using both manual and automatic STANLEY STEEL STRAPPING TOOLS and MACHINES to perform a variety of packaging jobs from bundling tubing, rod and pipe to securing coils of strip to pallets. An indication of the time and money saved is

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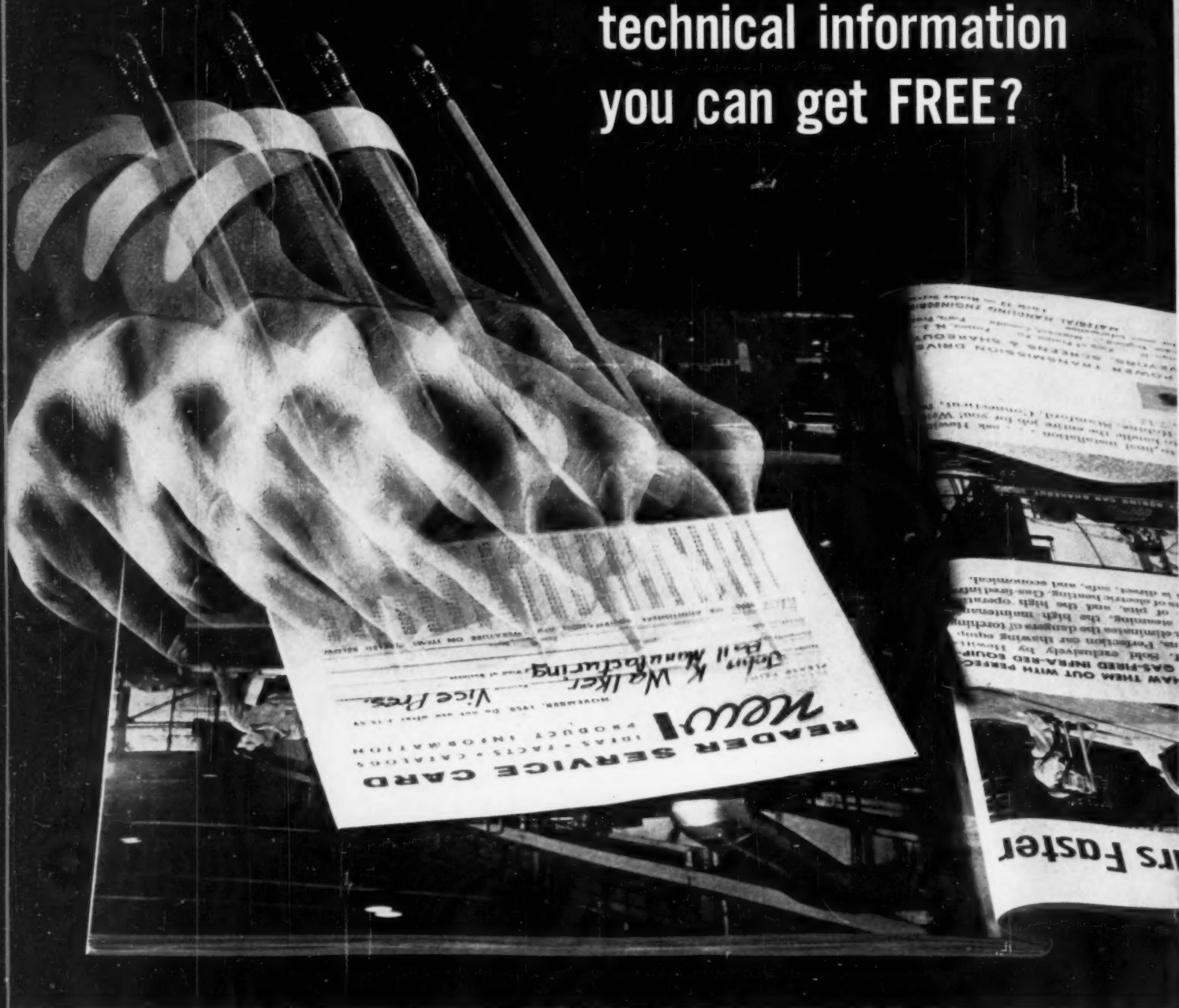
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